

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013478.D
 Acq On : 16 Jan 2023 12:54
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jan 17 03:43:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	471334	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1957275	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1351257	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	3135900	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3271138	20.000	ng	0.00
86) Perylene-d12	23.874	264	3815535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	4384462	163.405	ng	0.00
7) Phenol-d6	7.075	99	6067254	159.969	ng	0.00
23) Nitrobenzene-d5	9.081	82	3281703	89.078	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	3464807	164.267	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	8460431	91.528	ng	0.00
79) Terphenyl-d14	19.874	244	12714704	79.466	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	53769	5.110	ng	96
3) Pyridine	3.758	79	147403	4.494	ng	96
4) n-Nitrosodimethylamine	3.658	42	79585	5.060	ng	# 97
6) Aniline	7.234	93	244840	4.831	ng	99
8) 2-Chlorophenol	7.469	128	154480	4.975	ng	97
9) Benzaldehyde	7.046	77	139951	6.113	ng	97
10) Phenol	7.099	94	194200	4.961	ng	93
11) bis(2-Chloroethyl)ether	7.334	93	156856	4.943	ng	97
12) 1,3-Dichlorobenzene	7.793	146	175345	5.360	ng	98
13) 1,4-Dichlorobenzene	7.946	146	177526	5.324	ng	98
14) 1,2-Dichlorobenzene	8.263	146	168857	5.184	ng	98
15) Benzyl Alcohol	8.152	79	134522	4.603	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	250893	5.110	ng	99
17) 2-Methylphenol	8.352	107	128297	4.427	ng	99
18) Hexachloroethane	8.993	117	61275	5.189	ng	98
19) n-Nitroso-di-n-propyla...	8.716	70	130796	4.832	ng	94
20) 3+4-Methylphenols	8.681	107	177969	4.420	ng	97
22) Acetophenone	8.740	105	251378	5.015	ng	# 97
24) Nitrobenzene	9.122	77	195274	5.124	ng	98
25) Isophorone	9.646	82	364314	4.804	ng	98
26) 2-Nitrophenol	9.834	139	82216	4.365	ng	93
27) 2,4-Dimethylphenol	9.893	122	149660	4.826	ng	99
28) bis(2-Chloroethoxy)met...	10.128	93	223132	4.989	ng	99
29) 2,4-Dichlorophenol	10.369	162	150974	4.640	ng	99
30) 1,2,4-Trichlorobenzene	10.581	180	178442	5.182	ng	99
31) Naphthalene	10.769	128	514514	4.971	ng	100
32) Benzoic acid	9.969	122	94511	3.654	ng	97
33) 4-Chloroaniline	10.887	127	209590	4.433	ng	99
34) Hexachlorobutadiene	11.051	225	112234	5.170	ng	97
35) Caprolactam	11.675	113	51686	4.458	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	166464	4.694	ng	99
37) 2-Methylnaphthalene	12.381	142	365969	4.710	ng	99
38) 1-Methylnaphthalene	12.598	142	361216	4.928	ng	97
40) 1,2,4,5-Tetrachloroben...	12.745	216	220361	4.975	ng	98
41) Hexachlorocyclopentadiene	12.722	237	101350	4.389	ng	98
43) 2,4,6-Trichlorophenol	12.992	196	137022	4.499	ng	98

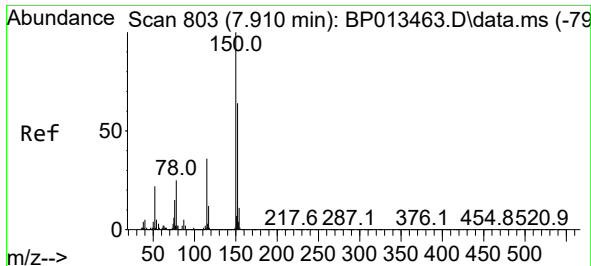
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Quant Time: Jan 17 03:43:06 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	151341	4.235	ng	98
46) 1,1'-Biphenyl	13.392	154	529213	5.180	ng	99
47) 2-Chloronaphthalene	13.434	162	399919	5.104	ng	98
48) 2-Nitroaniline	13.640	65	104495	4.052	ng	92
49) Acenaphthylene	14.281	152	646350	5.002	ng	98
50) Dimethylphthalate	14.010	163	517637	4.831	ng	99
51) 2,6-Dinitrotoluene	14.134	165	100618	4.305	ng	93
52) Acenaphthene	14.622	154	374220	4.893	ng	96
53) 3-Nitroaniline	14.469	138	97605	3.903	ng	89
54) 2,4-Dinitrophenol	14.681	184	49669	3.127	ng	96
55) Dibenzofuran	14.957	168	630667	4.974	ng	99
56) 4-Nitrophenol	14.781	139	77951	3.880	ng	93
57) 2,4-Dinitrotoluene	14.928	165	134239	4.200	ng	95
58) Fluorene	15.610	166	502288	5.020	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.186	232	137455	4.448	ng	99
60) Diethylphthalate	15.375	149	509740	4.862	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	267554	5.035	ng	98
62) 4-Nitroaniline	15.634	138	97872	3.823	ng	96
63) Azobenzene	15.898	77	448768	4.661	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	76095	3.548	ng	89
66) n-Nitrosodiphenylamine	15.816	169	439935	4.774	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	168844	4.677	ng	97
68) Hexachlorobenzene	16.616	284	199714	5.080	ng	98
69) Atrazine	16.775	200	162754	4.823	ng	98
70) Pentachlorophenol	16.969	266	107857	3.743	ng	97
71) Phenanthrene	17.363	178	828515	5.007	ng	99
72) Anthracene	17.451	178	814483	4.838	ng	99
73) Carbazole	17.728	167	742677	4.843	ng	99
74) Di-n-butylphthalate	18.269	149	834882	4.691	ng	99
75) Fluoranthene	19.327	202	1016783	5.116	ng	99
77) Benzidine	19.510	184	427642	4.400	ng	100
78) Pyrene	19.680	202	1064939	4.950	ng	98
80) Butylbenzylphthalate	20.545	149	389399	4.187	ng	94
81) Benzo(a)anthracene	21.392	228	1132557	5.141	ng	98
82) 3,3'-Dichlorobenzidine	21.327	252	405387	4.925	ng	97
83) Chrysene	21.451	228	1063028	5.107	ng	98
84) Bis(2-ethylhexyl)phtha...	21.304	149	610128	4.533	ng	99
85) Di-n-octyl phthalate	22.251	149	1074298	4.702	ng	97
87) Indeno(1,2,3-cd)pyrene	26.445	276	1272373	4.611	ng	100
88) Benzo(b)fluoranthene	23.115	252	1177745	5.199	ng	99
89) Benzo(k)fluoranthene	23.168	252	1116284	5.077	ng	99
90) Benzo(a)pyrene	23.762	252	1125868	5.059	ng	99
91) Dibenzo(a,h)anthracene	26.462	278	1111990	4.840	ng	99
92) Benzo(g,h,i)perylene	27.233	276	1099690	4.851	ng	98

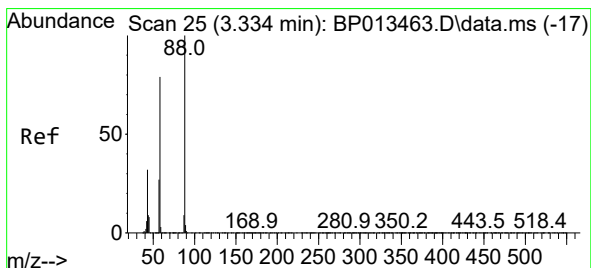
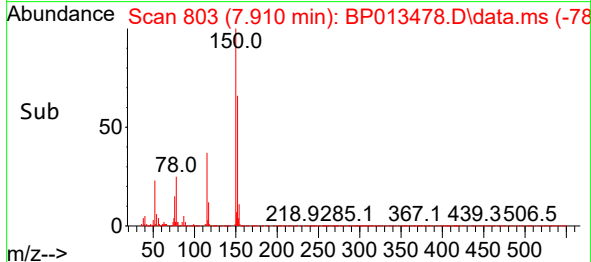
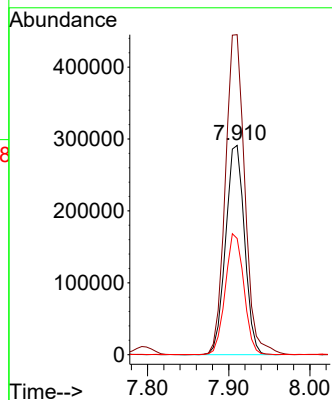
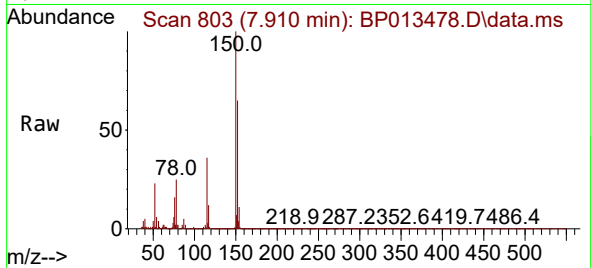
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

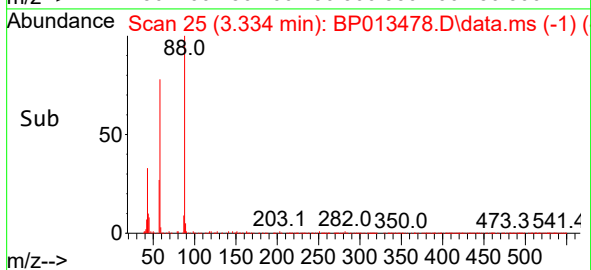
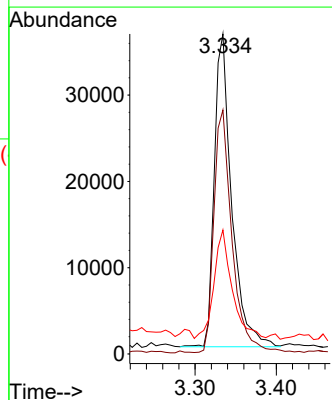
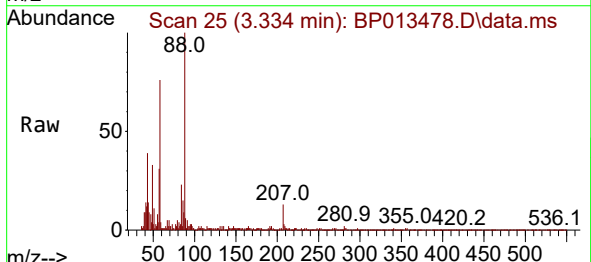
Instrument :
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 LOQ-SOIL-02-QT2-2022

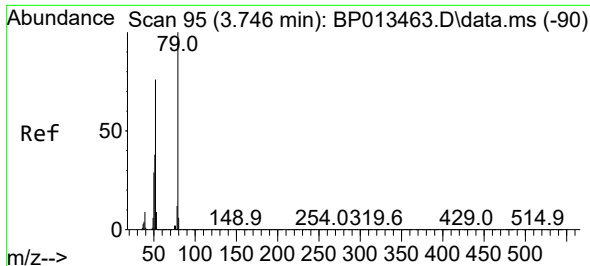
Tgt Ion:152 Resp: 471334
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.7 188.5
 115 55.5 45.8 68.8



#2
 1,4-Dioxane
 Concen: 5.110 ng
 RT: 3.334 min Scan# 25
 Delta R.T. 0.000 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

Tgt Ion: 88 Resp: 53769
 Ion Ratio Lower Upper
 88 100
 58 81.3 63.4 95.0
 43 36.8 26.2 39.4

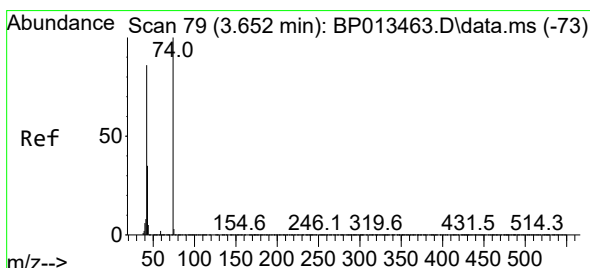
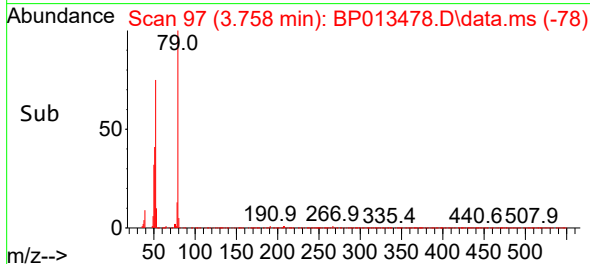
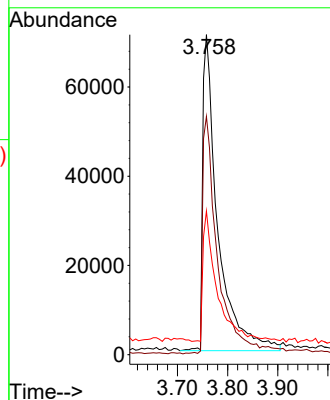
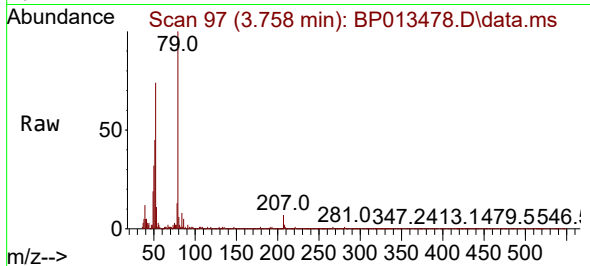




#3
 Pyridine
 Concen: 4.494 ng
 RT: 3.758 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

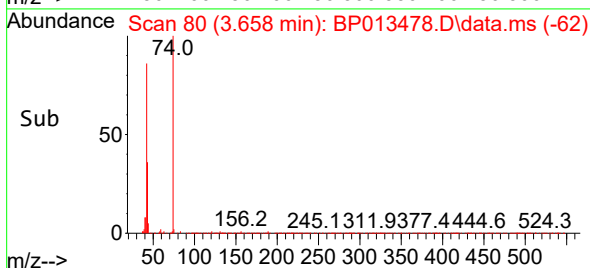
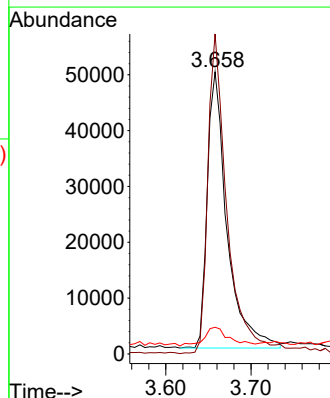
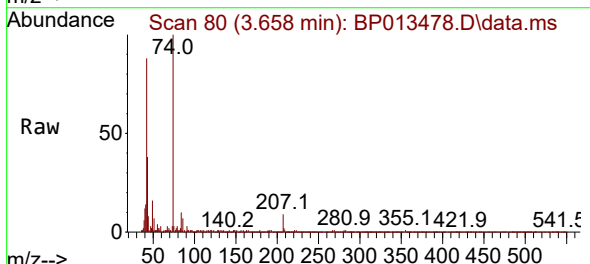
Instrument :
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 LOQ-SOIL-02-QT2-2022

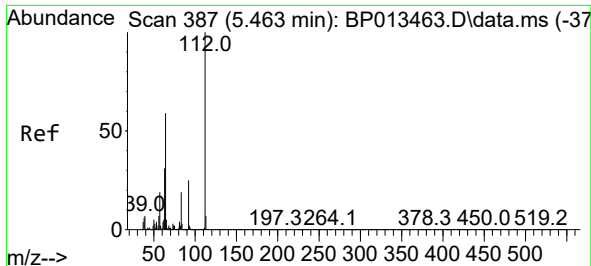
Tgt Ion: 79 Resp: 147403
 Ion Ratio Lower Upper
 79 100
 52 74.5 60.6 91.0
 51 44.9 31.0 46.4



#4
 n-Nitrosodimethylamine
 Concen: 5.060 ng
 RT: 3.658 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

Tgt Ion: 42 Resp: 79585
 Ion Ratio Lower Upper
 42 100
 74 113.4 93.3 139.9
 44 9.5 5.1 7.7#

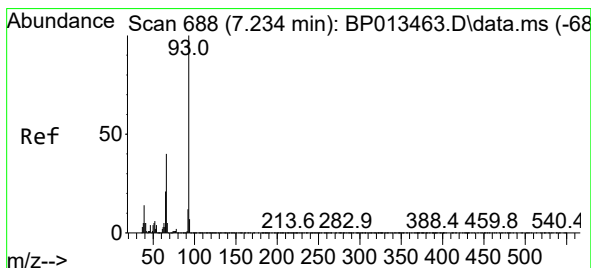
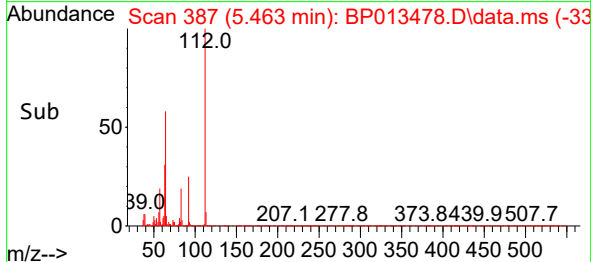
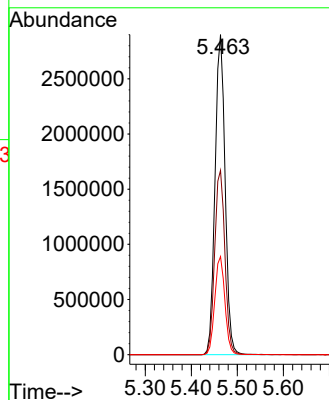
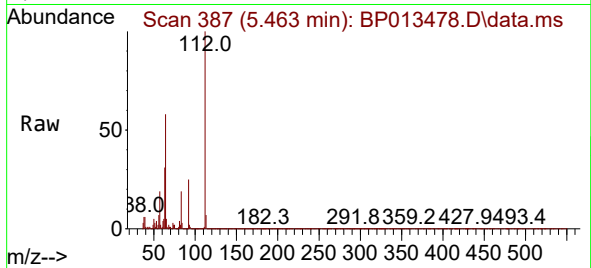




#5
2-Fluorophenol
Concen: 163.405 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

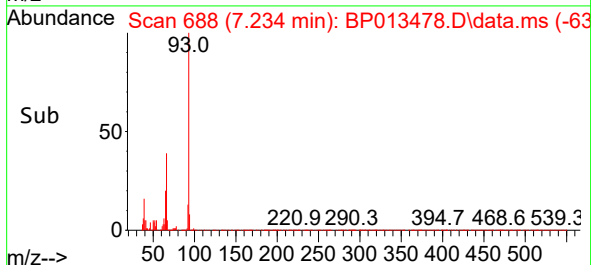
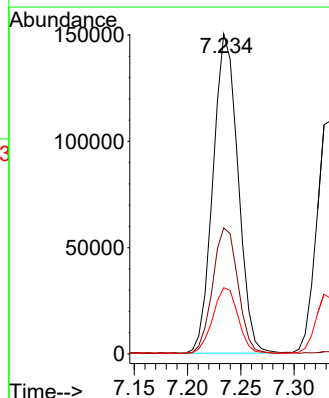
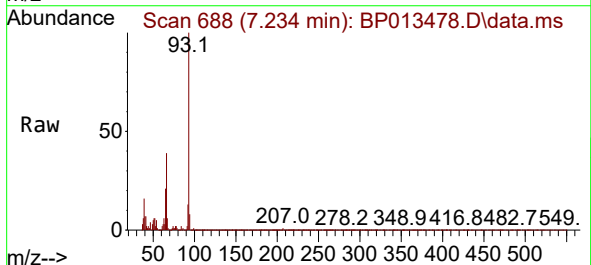
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ClientSampleId :
LOQ-SOIL-02-QT2-2022

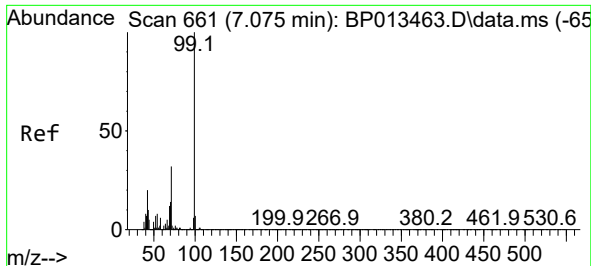
Tgt Ion:112 Resp: 4384462
Ion Ratio Lower Upper
112 100
64 57.6 47.5 71.3
63 30.6 25.0 37.4



#6
Aniline
Concen: 4.831 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 93 Resp: 244840
Ion Ratio Lower Upper
93 100
66 39.4 31.9 47.9
65 20.7 16.6 25.0





#7

Phenol-d6

Concen: 159.969 ng

RT: 7.075 min Scan# 60

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

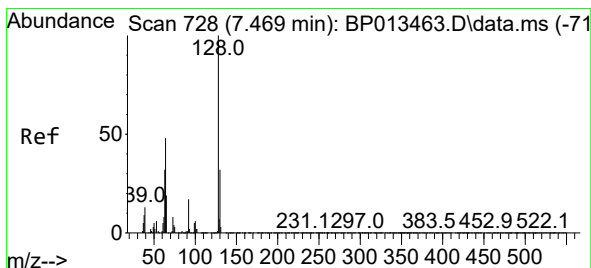
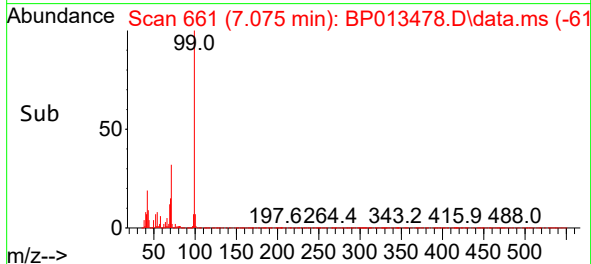
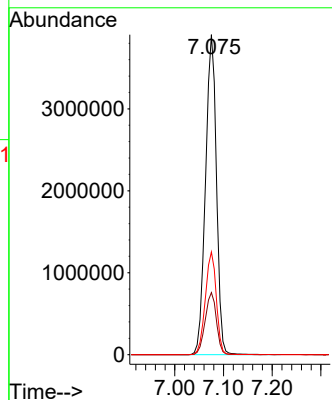
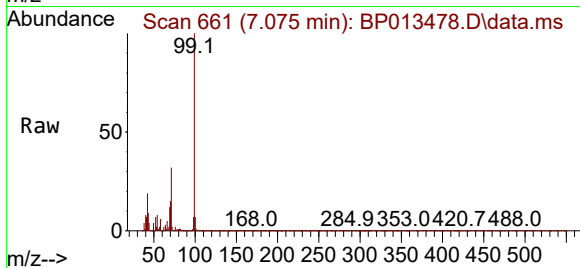
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion: 99 Resp: 6067254

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.8	23.6
71	32.1	25.6	38.4



#8

2-Chlorophenol

Concen: 4.975 ng

RT: 7.469 min Scan# 728

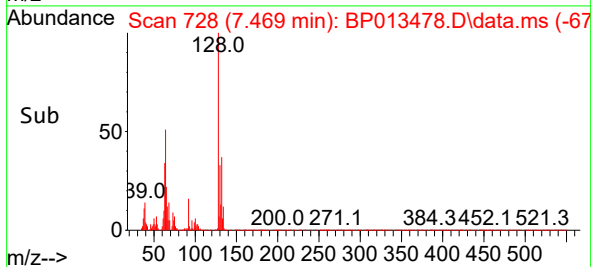
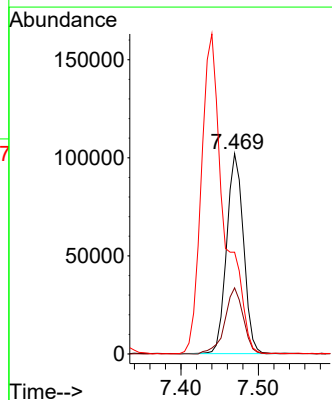
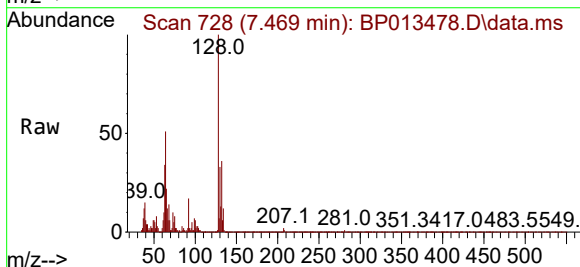
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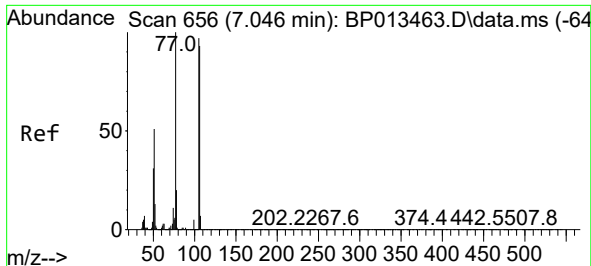
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Tgt Ion:128 Resp: 154480

Ion	Ratio	Lower	Upper
128	100		
130	33.0	11.7	51.7
64	50.8	28.6	68.6

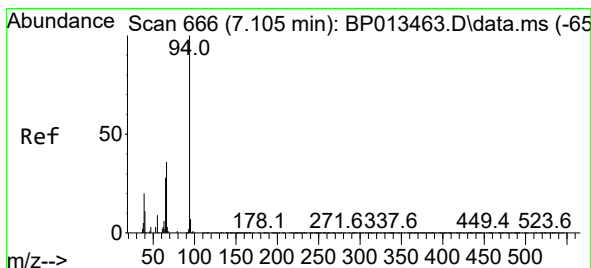
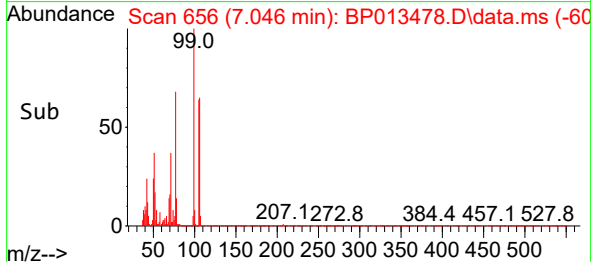
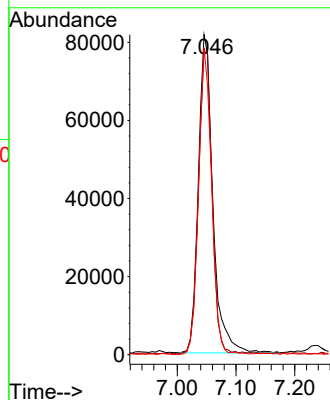
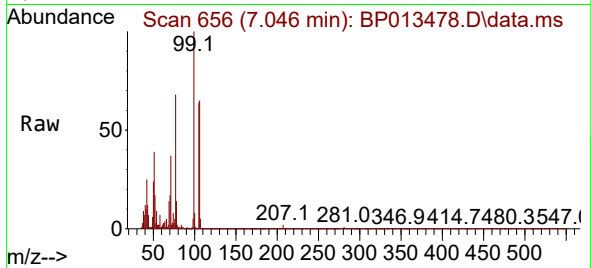




#9
Benzaldehyde
Concen: 6.113 ng
RT: 7.046 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

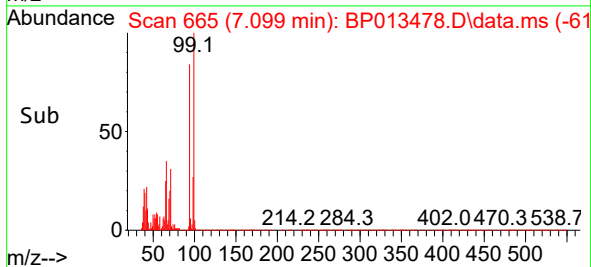
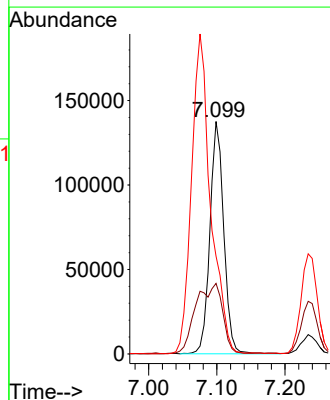
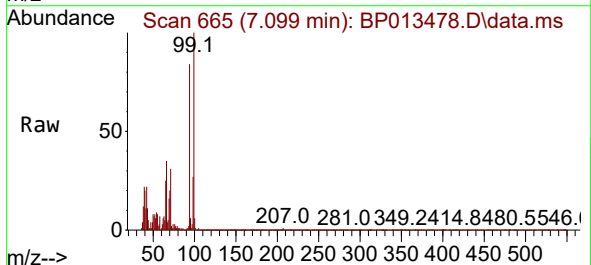
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2022

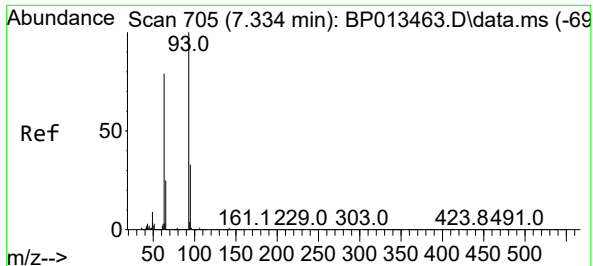
Tgt Ion: 77 Resp: 139951
Ion Ratio Lower Upper
77 100
105 94.7 77.3 117.3
106 96.0 73.1 113.1



#10
Phenol
Concen: 4.961 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 94 Resp: 194200
Ion Ratio Lower Upper
94 100
65 30.3 8.3 48.3
66 42.0 16.6 56.6

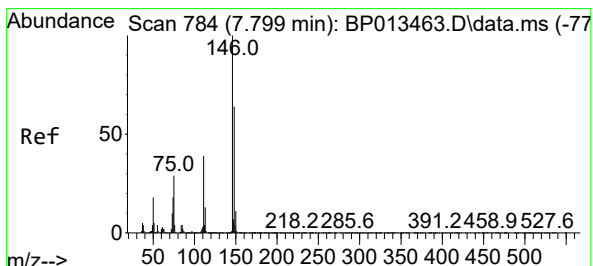
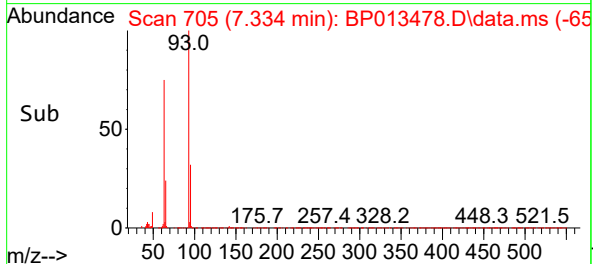
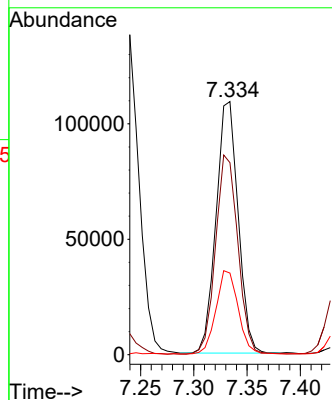
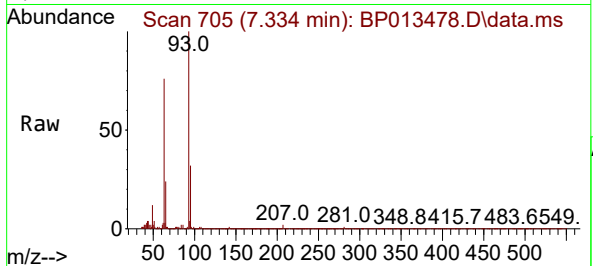




#11
bis(2-Chloroethyl)ether
Concen: 4.943 ng
RT: 7.334 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

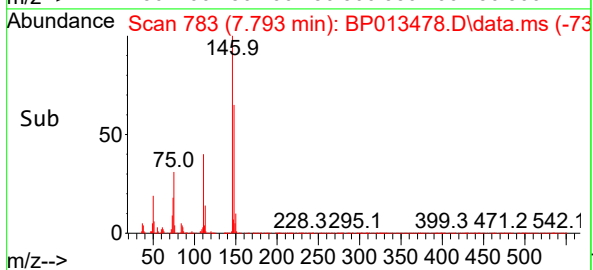
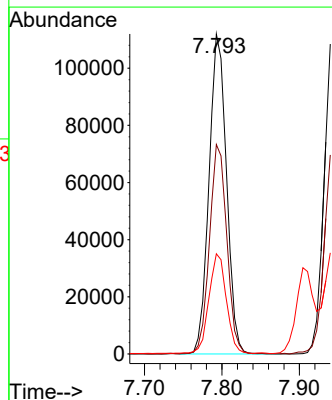
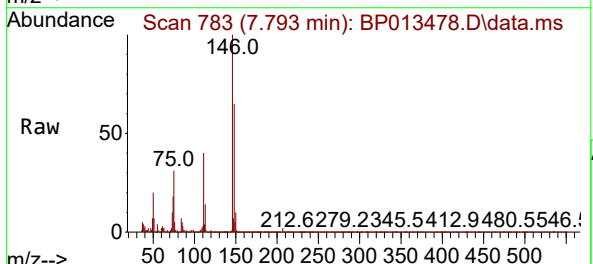
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

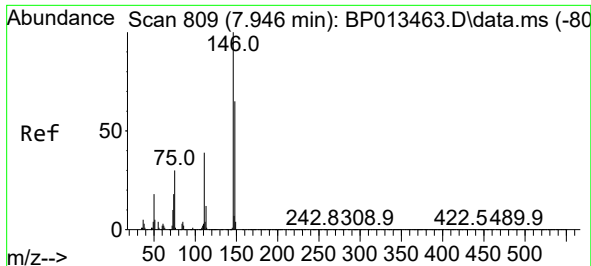
Tgt Ion: 93 Resp: 156856
Ion Ratio Lower Upper
93 100
63 75.8 59.3 99.3
95 32.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 5.360 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 146 Resp: 175345
Ion Ratio Lower Upper
146 100
148 65.4 51.5 77.3
75 31.3 23.6 35.4

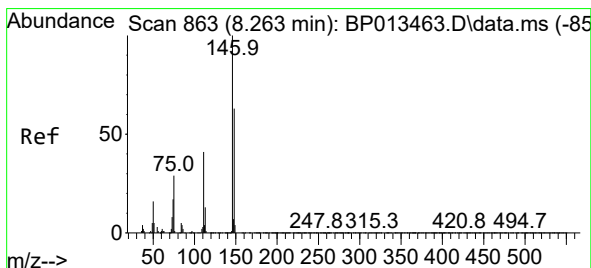
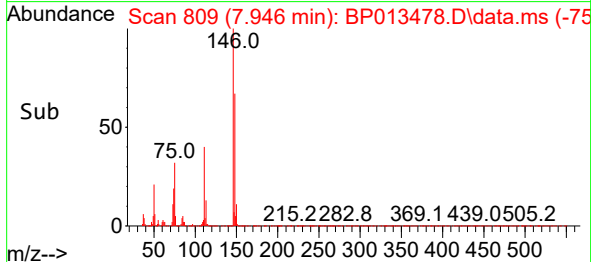
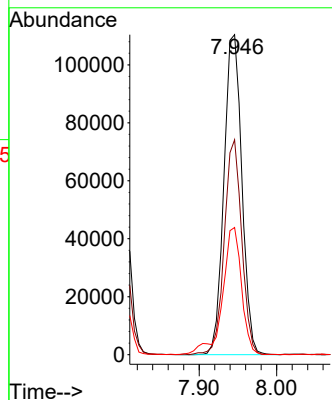
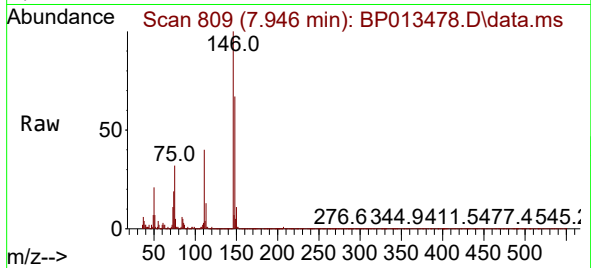




#13
1,4-Dichlorobenzene
Concen: 5.324 ng
RT: 7.946 min Scan# 809
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

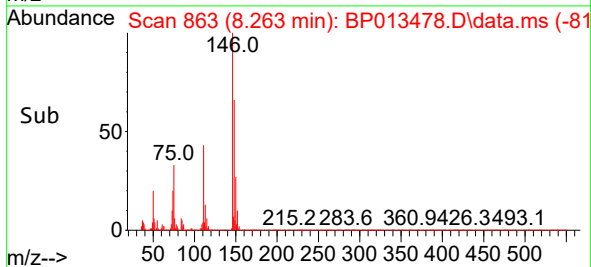
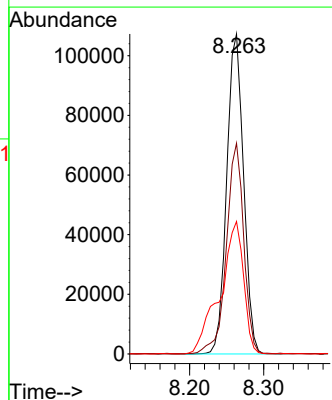
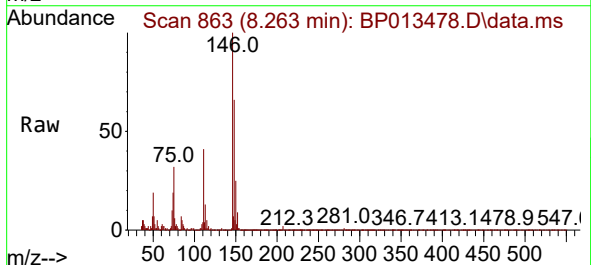
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

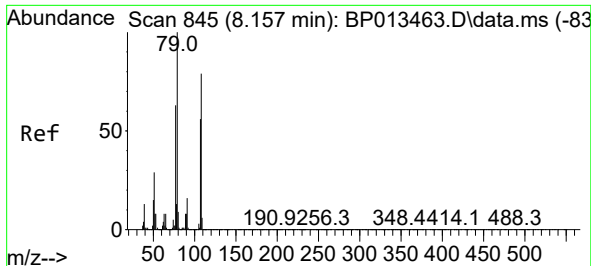
Tgt Ion:146 Resp: 177526
Ion Ratio Lower Upper
146 100
148 67.1 52.0 78.0
111 39.8 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 5.184 ng
RT: 8.263 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:146 Resp: 168857
Ion Ratio Lower Upper
146 100
148 65.8 50.9 76.3
111 41.4 32.7 49.1

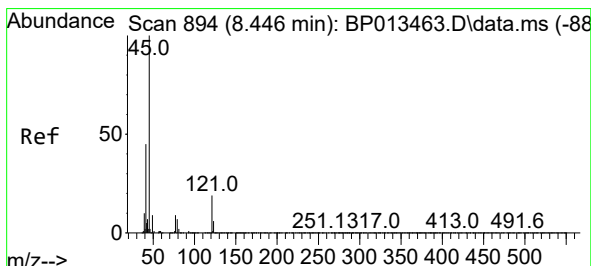
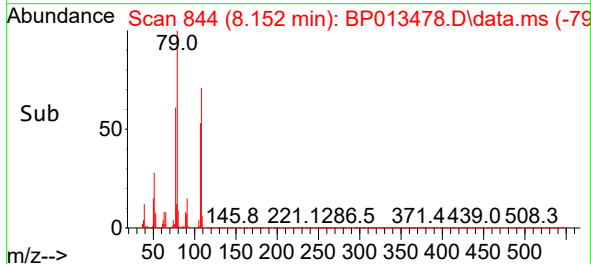
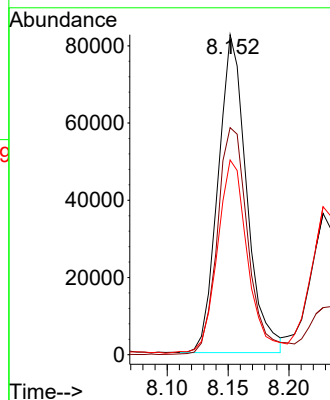
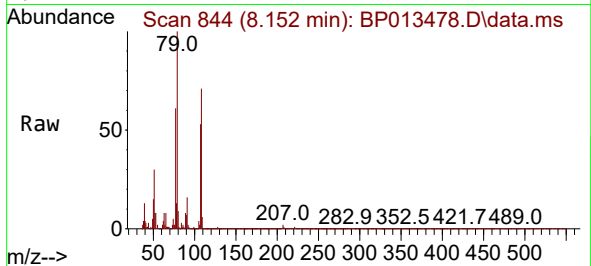




#15
Benzyl Alcohol
Concen: 4.603 ng
RT: 8.152 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

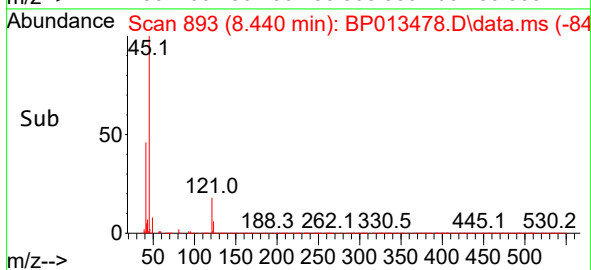
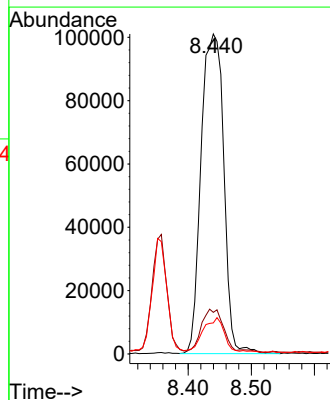
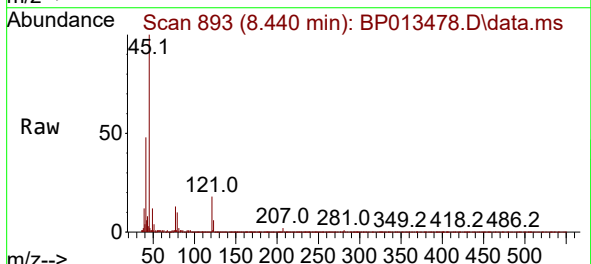
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

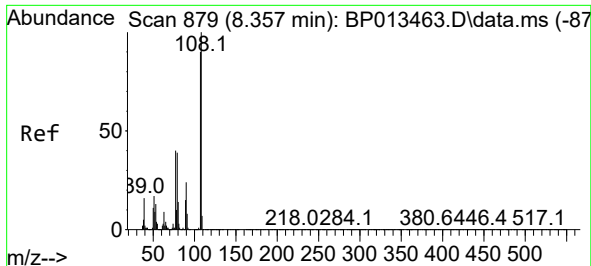
Tgt Ion: 79 Resp: 134522
Ion Ratio Lower Upper
79 100
108 71.0 63.2 94.8
77 60.8 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.110 ng
RT: 8.440 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 45 Resp: 250893
Ion Ratio Lower Upper
45 100
77 13.0 0.0 32.8
79 9.7 0.0 30.3





#17

2-Methylphenol

Concen: 4.427 ng

RT: 8.352 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:107 Resp: 128297

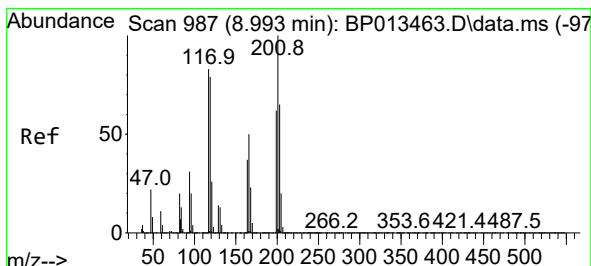
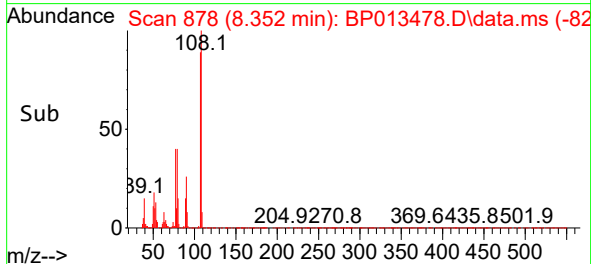
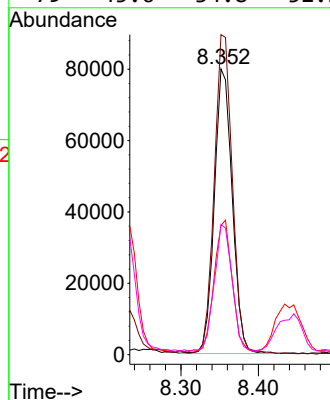
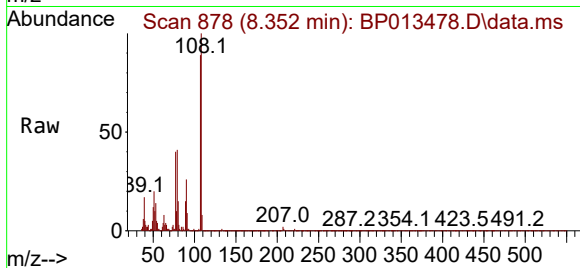
Ion Ratio Lower Upper

107 100

108 112.0 88.8 133.2

77 45.3 35.8 53.8

79 45.6 34.8 52.2



#18

Hexachloroethane

Concen: 5.189 ng

RT: 8.993 min Scan# 987

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

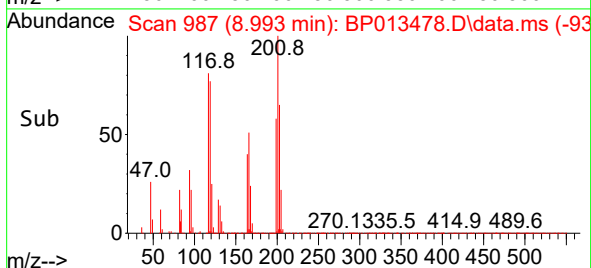
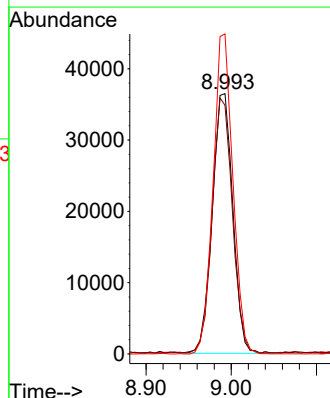
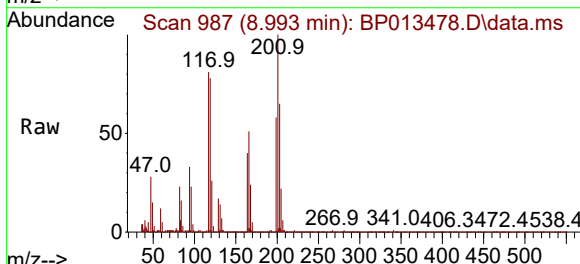
Tgt Ion:117 Resp: 61275

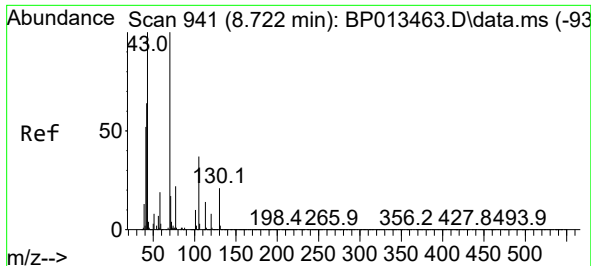
Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

201 122.9 95.8 143.8

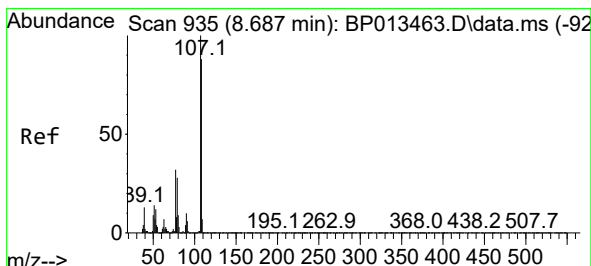
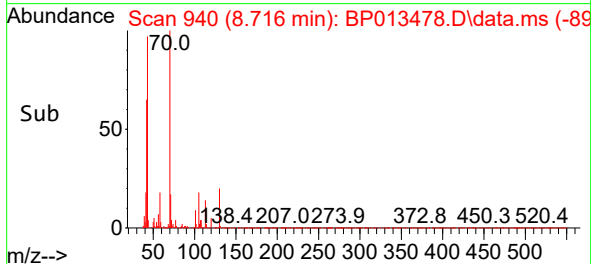
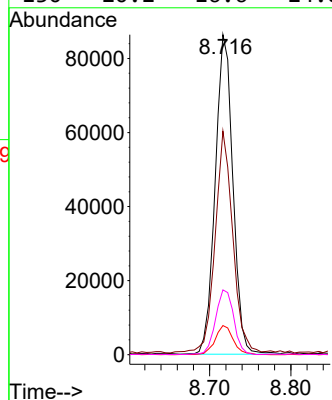
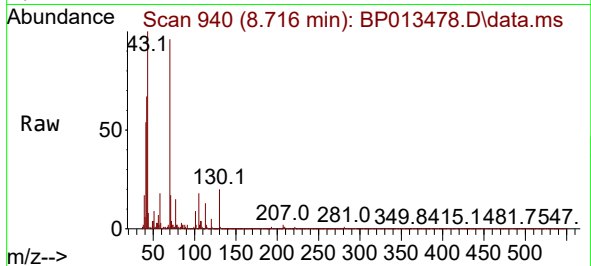




#19
n-Nitroso-di-n-propylamine
Concen: 4.832 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

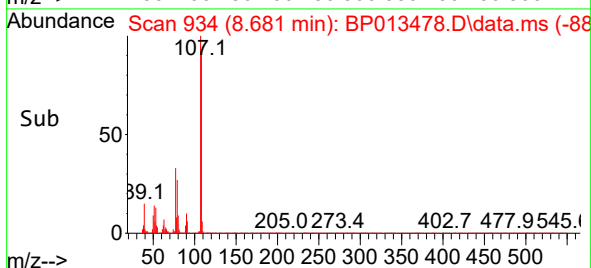
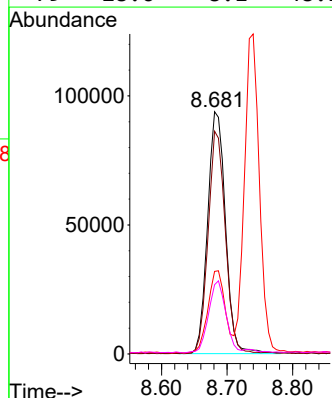
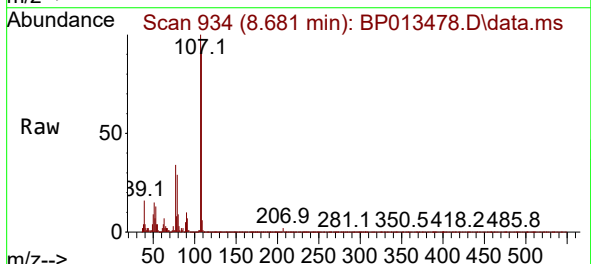
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

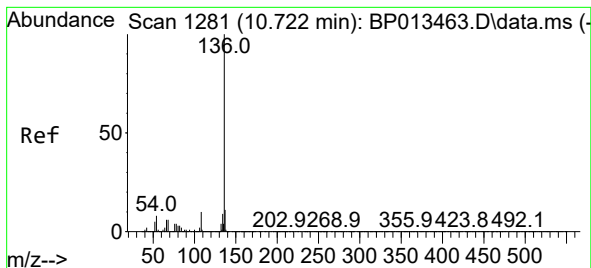
Tgt Ion: 70 Resp: 130796
Ion Ratio Lower Upper
70 100
42 69.9 51.1 76.7
101 9.1 7.8 11.8
130 20.2 16.6 24.8



#20
3+4-Methylphenols
Concen: 4.420 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 107 Resp: 177969
Ion Ratio Lower Upper
107 100
108 91.9 68.1 108.1
77 34.1 12.3 52.3
79 28.6 8.1 48.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.722 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:136 Resp: 1957275

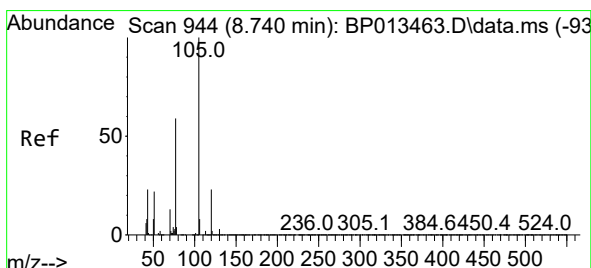
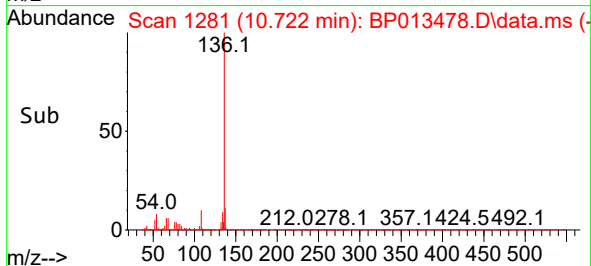
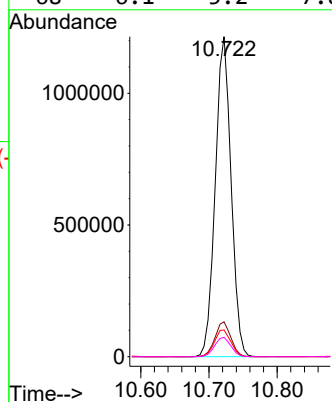
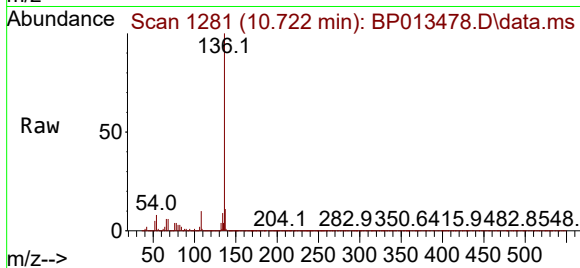
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.4 6.6 10.0

68 6.1 5.2 7.8



#22

Acetophenone

Concen: 5.015 ng

RT: 8.740 min Scan# 944

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:105 Resp: 251378

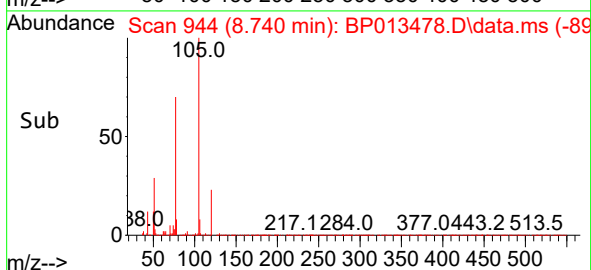
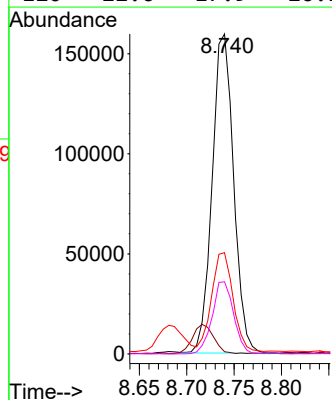
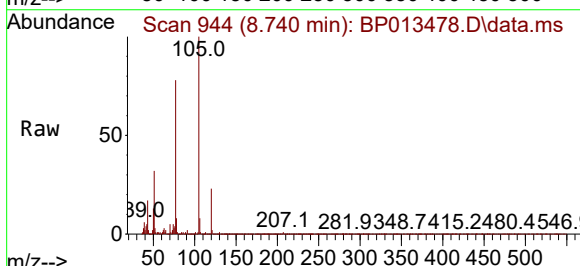
Ion Ratio Lower Upper

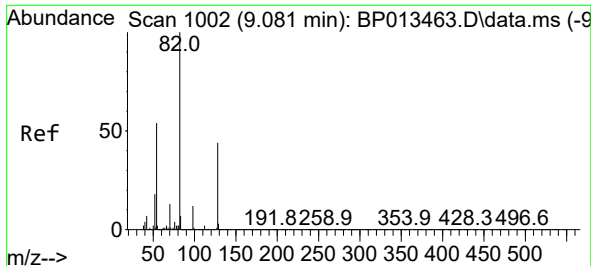
105 100

71 0.7 2.1 3.1#

51 31.7 23.3 34.9

120 22.6 17.9 26.9





#23

Nitrobenzene-d5

Concen: 89.078 ng

RT: 9.081 min Scan# 1002

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

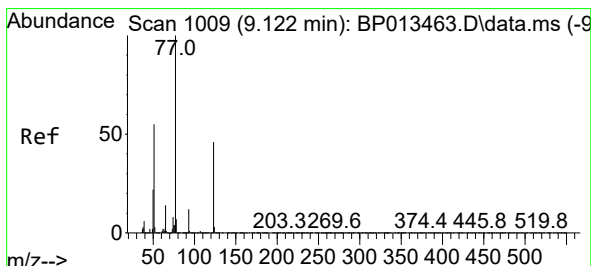
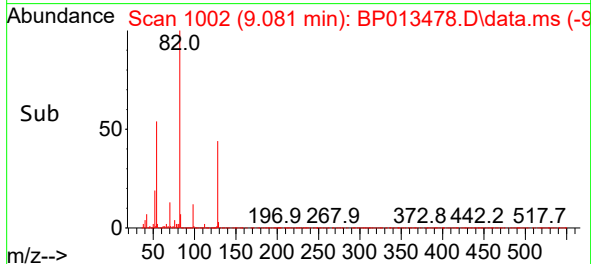
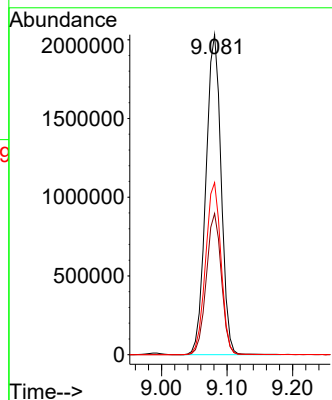
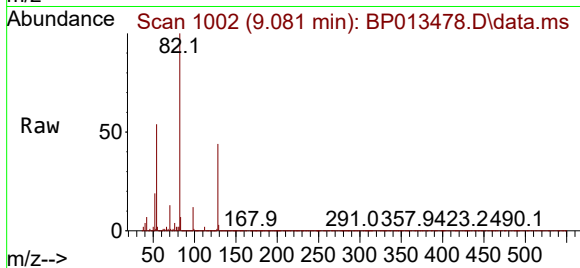
Tgt Ion: 82 Resp: 3281703

Ion Ratio Lower Upper

82 100

128 44.1 35.4 53.0

54 53.8 42.8 64.2



#24

Nitrobenzene

Concen: 5.124 ng

RT: 9.122 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

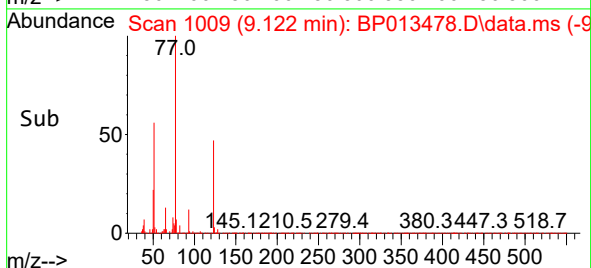
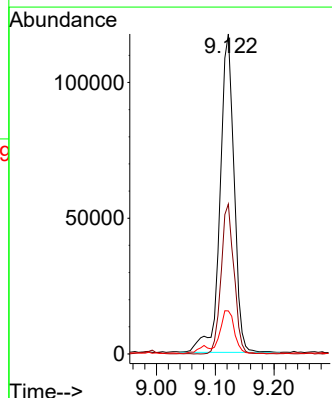
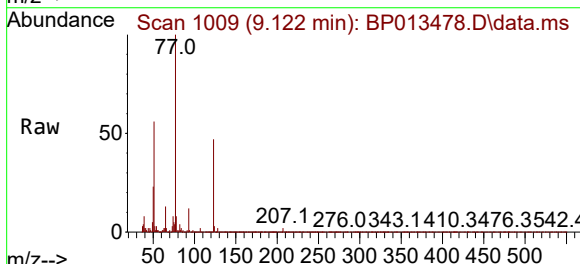
Tgt Ion: 77 Resp: 195274

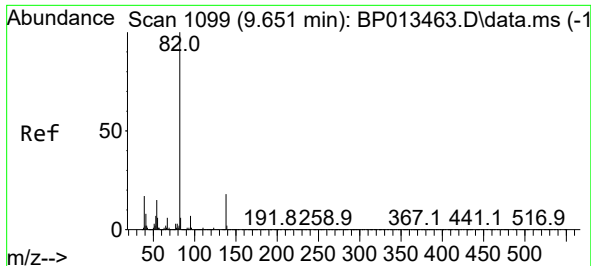
Ion Ratio Lower Upper

77 100

123 46.8 36.5 54.7

65 13.5 11.0 16.6

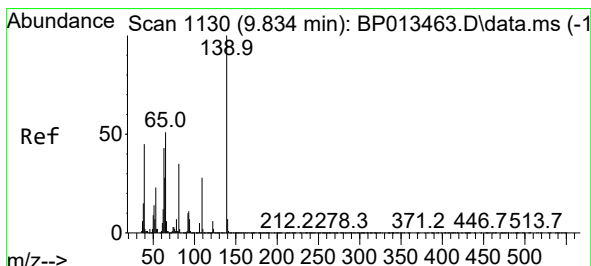
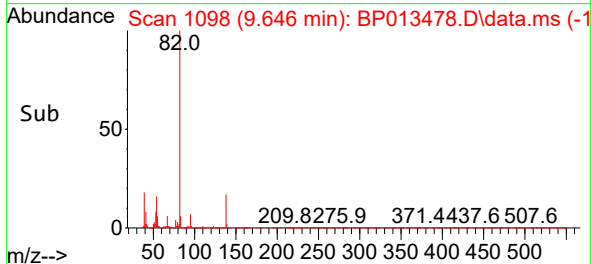
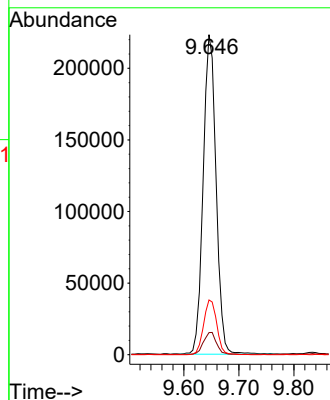
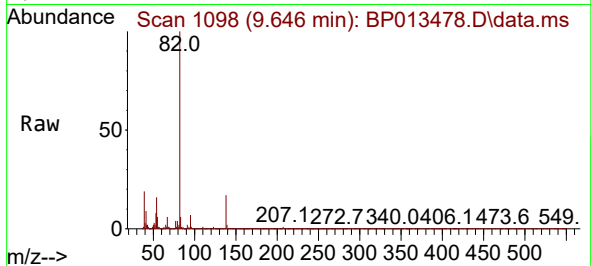




#25
Isophorone
Concen: 4.804 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

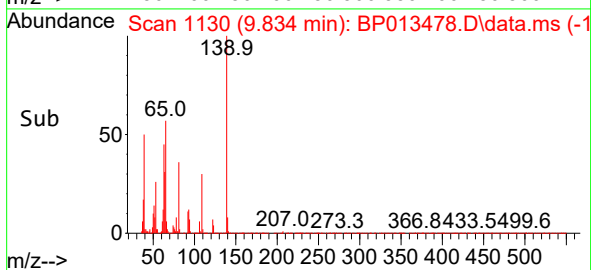
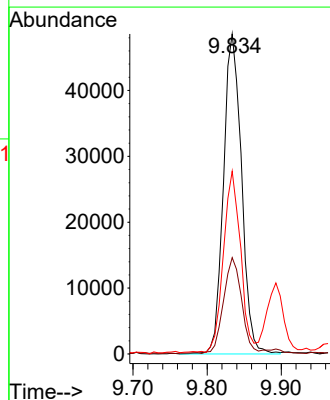
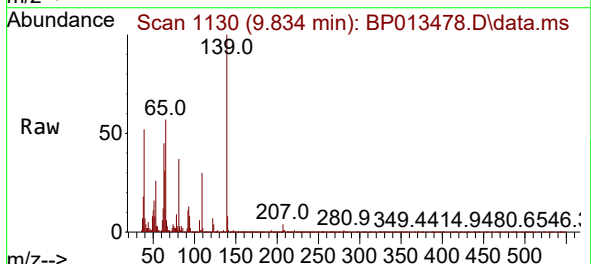
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

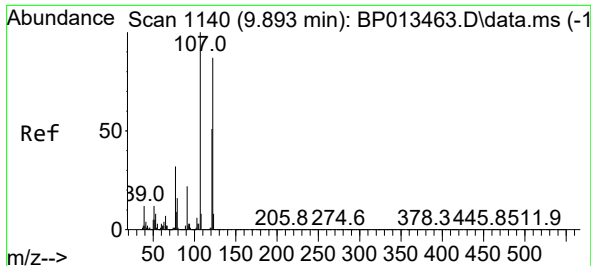
Tgt Ion: 82 Resp: 364314
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 17.1 14.5 21.7



#26
2-Nitrophenol
Concen: 4.365 ng
RT: 9.834 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 139 Resp: 82216
Ion Ratio Lower Upper
139 100
109 30.1 22.5 33.7
65 57.1 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 4.826 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

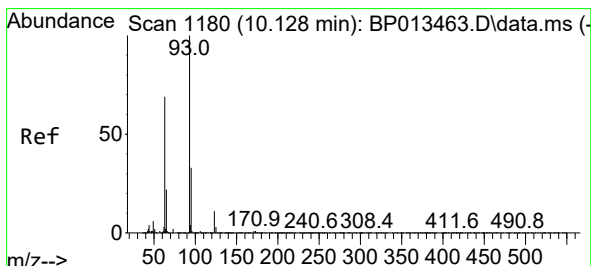
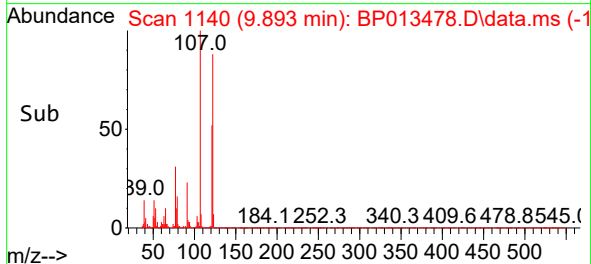
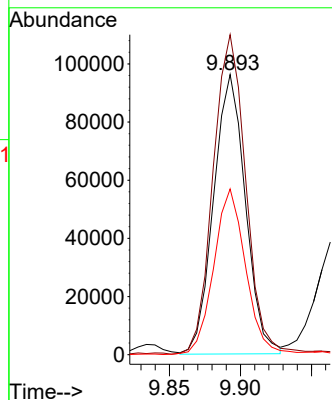
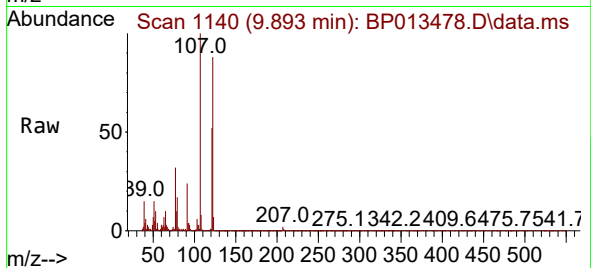
Tgt Ion:122 Resp: 149660

Ion Ratio Lower Upper

122 100

107 114.2 91.6 137.4

121 59.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 4.989 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

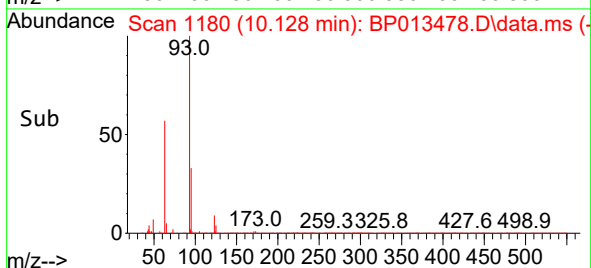
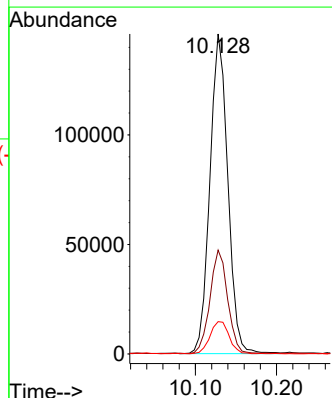
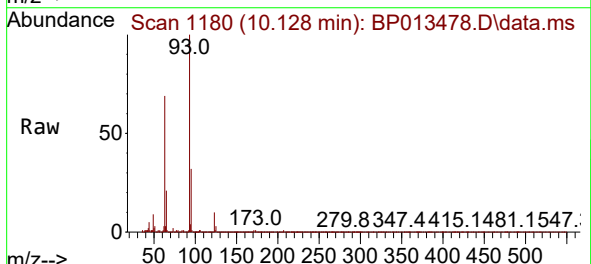
Tgt Ion: 93 Resp: 223132

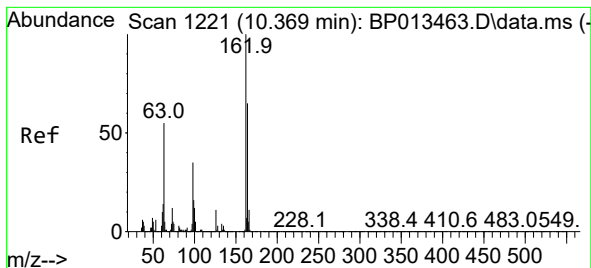
Ion Ratio Lower Upper

93 100

95 32.4 26.1 39.1

123 10.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 4.640 ng

RT: 10.369 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

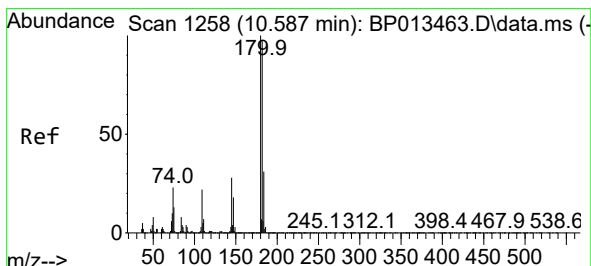
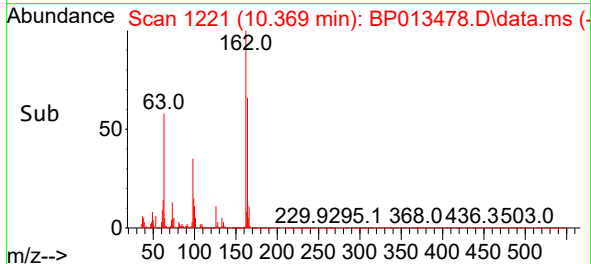
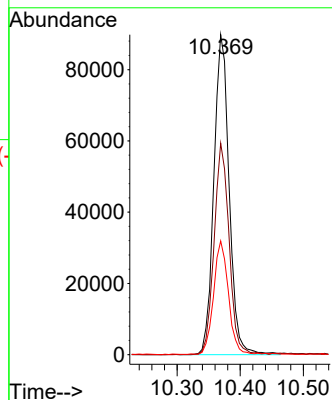
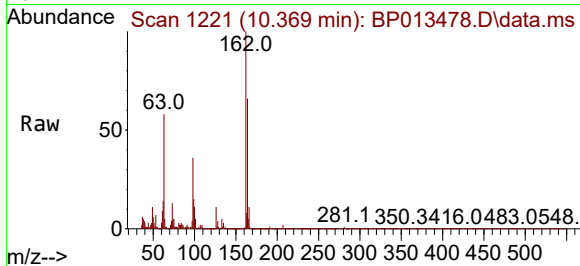
Tgt Ion:162 Resp: 150974

Ion Ratio Lower Upper

162 100

164 66.1 45.4 85.4

98 35.5 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 5.182 ng

RT: 10.581 min Scan# 1257

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

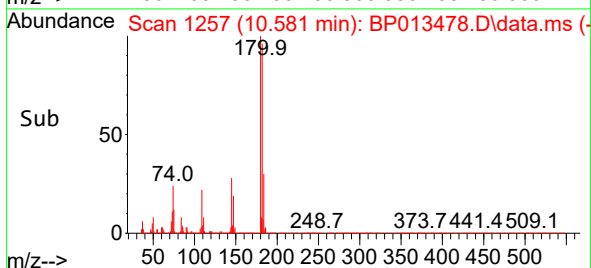
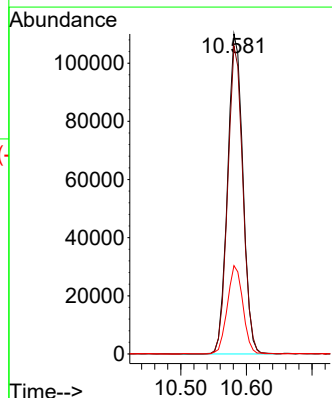
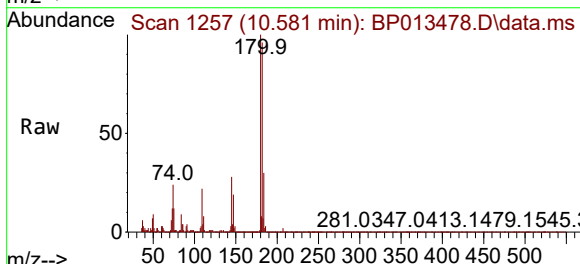
Tgt Ion:180 Resp: 178442

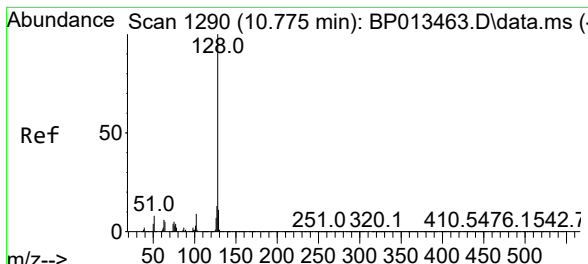
Ion Ratio Lower Upper

180 100

182 96.2 77.3 115.9

145 27.6 22.8 34.2

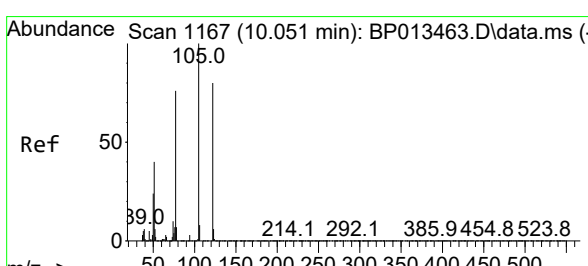
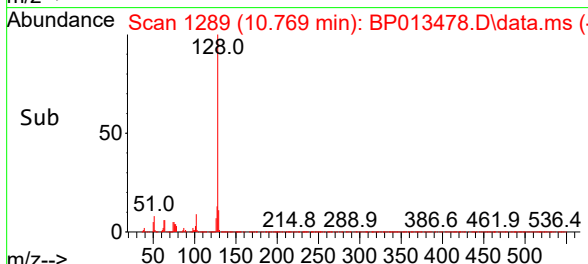
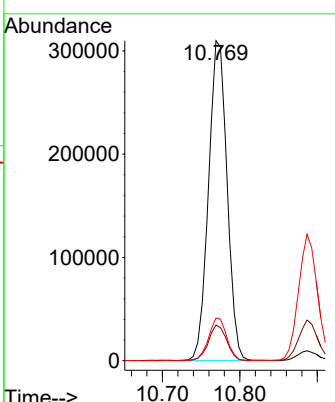
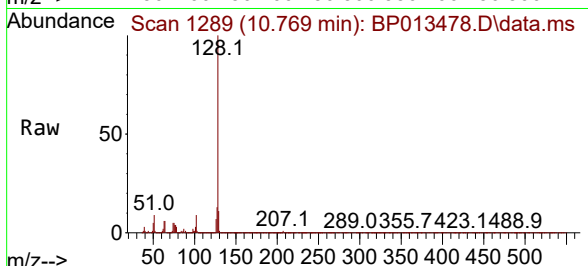




#31
Naphthalene
Concen: 4.971 ng
RT: 10.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

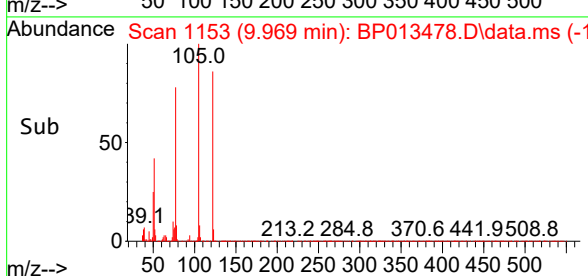
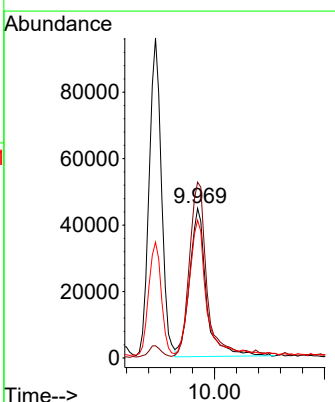
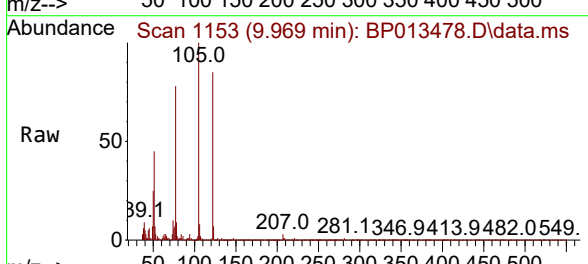
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022

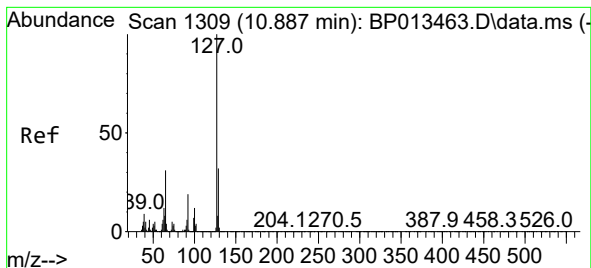
Tgt Ion:	128	Resp:	514514
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.9	13.3
127	13.4	10.6	16.0



#32
Benzoic acid
Concen: 3.654 ng
RT: 9.969 min Scan# 1153
Delta R.T. -0.082 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:	122	Resp:	94511
Ion Ratio	Lower	Upper	
122	100		
105	117.5	102.7	142.7
77	92.1	74.0	114.0





#33

4-Chloroaniline

Concen: 4.433 ng

RT: 10.887 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:127 Resp: 209590

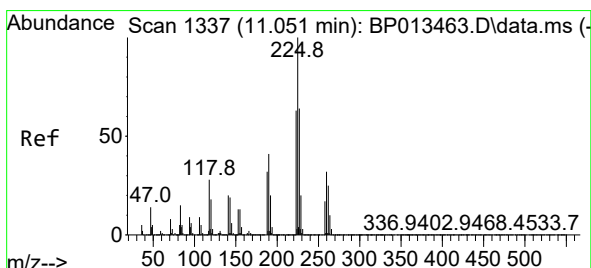
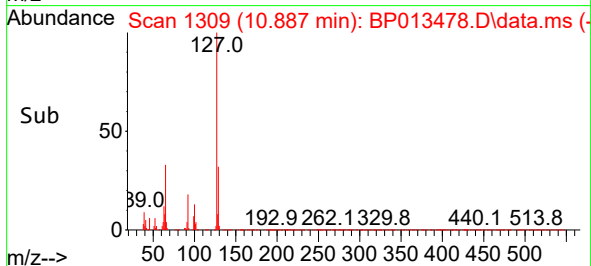
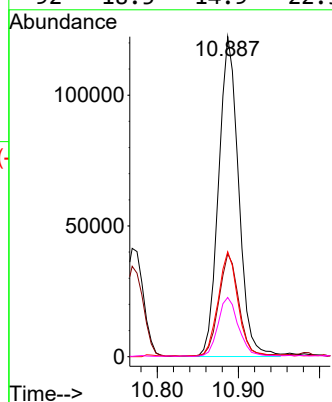
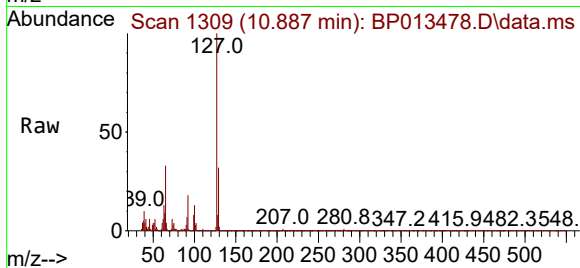
Ion Ratio Lower Upper

127 100

129 32.1 25.6 38.4

65 32.8 25.2 37.8

92 18.5 14.9 22.3



#34

Hexachlorobutadiene

Concen: 5.170 ng

RT: 11.051 min Scan# 1337

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

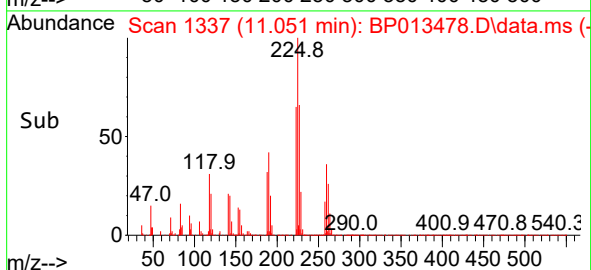
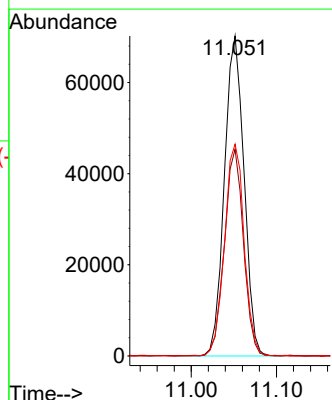
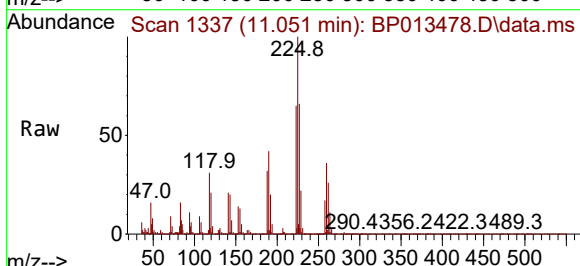
Tgt Ion:225 Resp: 112234

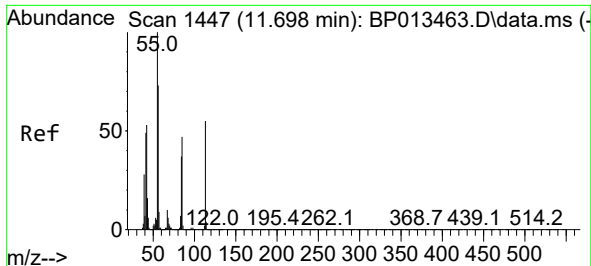
Ion Ratio Lower Upper

225 100

223 64.6 50.0 75.0

227 66.2 51.0 76.6

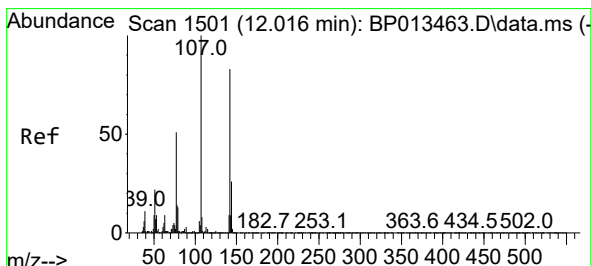
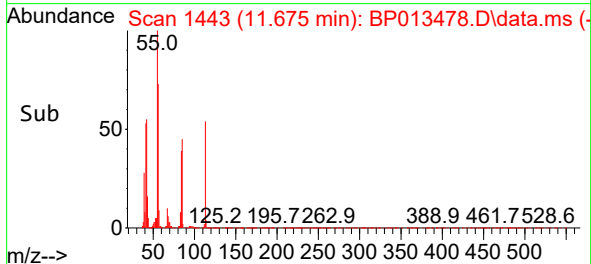
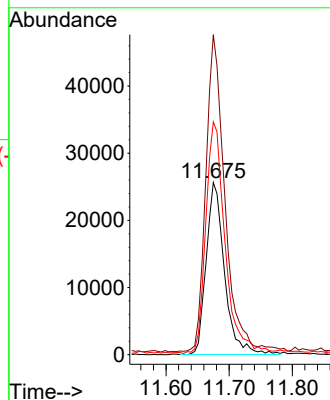
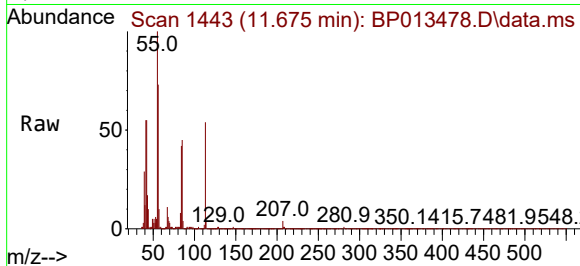




#35
Caprolactam
Concen: 4.458 ng
RT: 11.675 min Scan# 1447
Delta R.T. -0.024 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

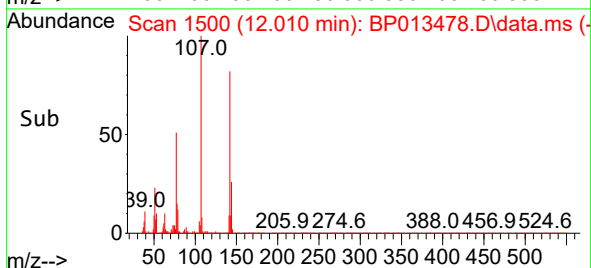
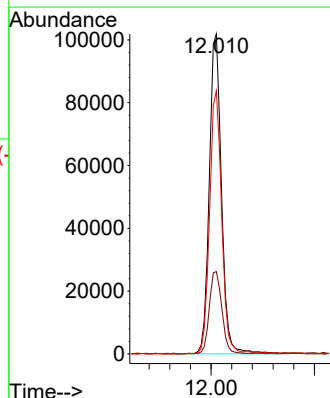
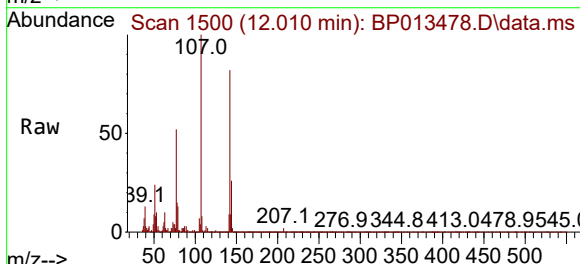
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

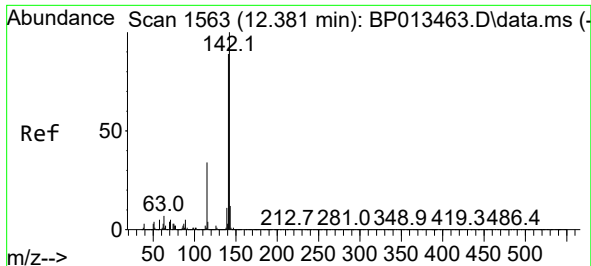
Tgt Ion:113 Resp: 51686
Ion Ratio Lower Upper
113 100
55 185.9 163.1 203.1
56 135.2 113.0 153.0



#36
4-Chloro-3-methylphenol
Concen: 4.694 ng
RT: 12.010 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:107 Resp: 166464
Ion Ratio Lower Upper
107 100
144 25.7 21.2 31.8
142 82.2 66.0 99.0

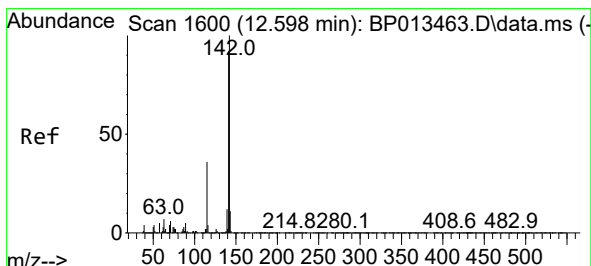
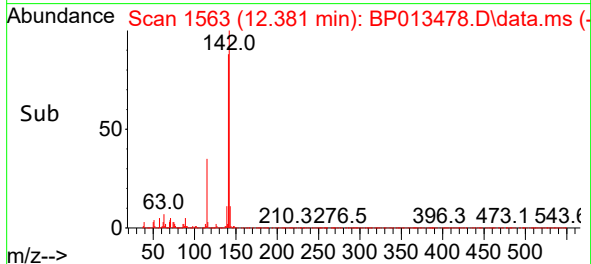
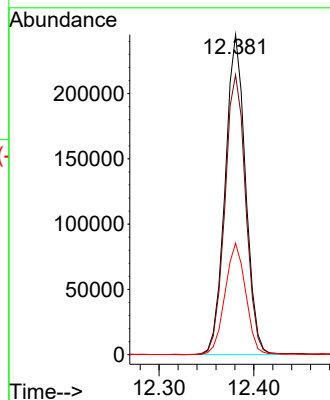
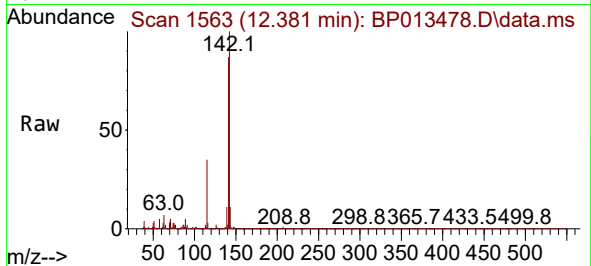




#37
2-Methylnaphthalene
Concen: 4.710 ng
RT: 12.381 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

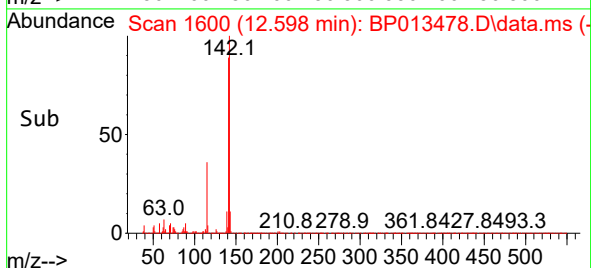
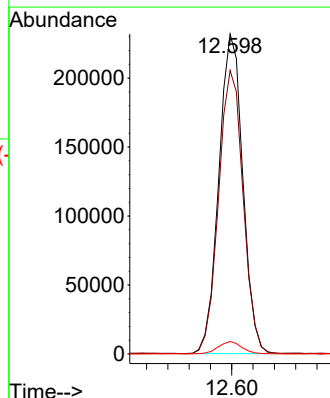
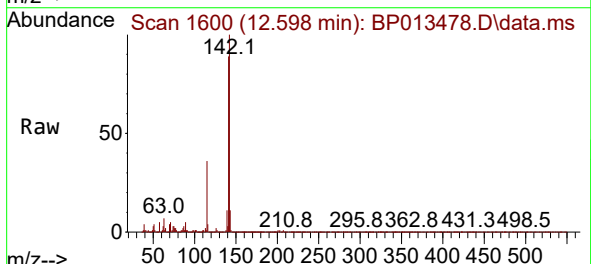
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

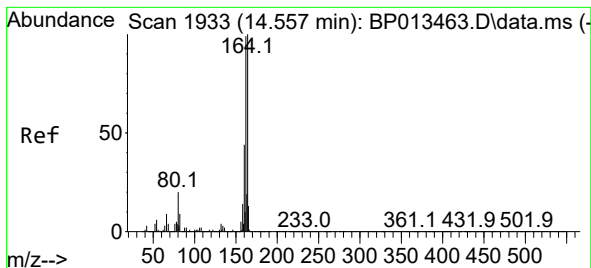
Tgt Ion:142 Resp: 365969
Ion Ratio Lower Upper
142 100
141 87.5 71.1 106.7
115 34.9 27.6 41.4



#38
1-Methylnaphthalene
Concen: 4.928 ng
RT: 12.598 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:142 Resp: 361216
Ion Ratio Lower Upper
142 100
141 88.6 73.3 109.9
116 3.9 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

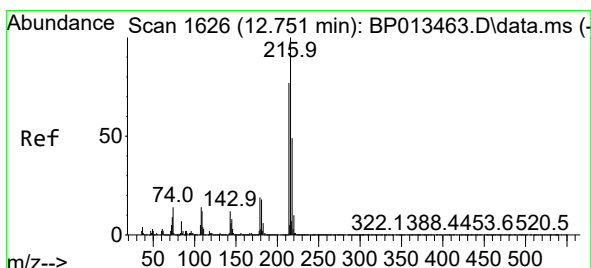
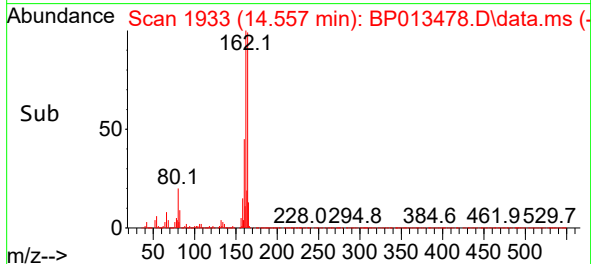
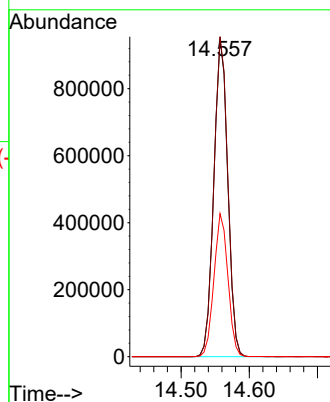
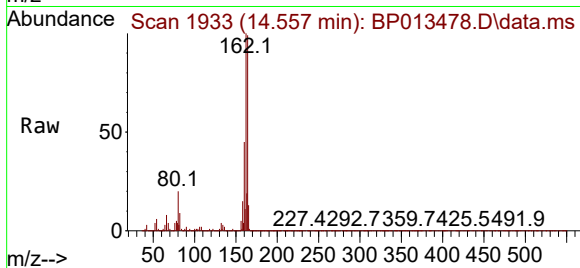
Tgt Ion:164 Resp: 1351257

Ion Ratio Lower Upper

164 100

162 100.7 79.5 119.3

160 45.0 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.975 ng

RT: 12.745 min Scan# 1625

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:216 Resp: 220361

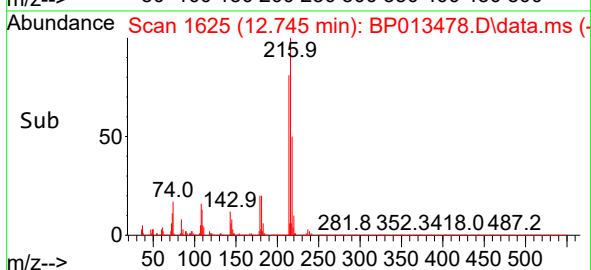
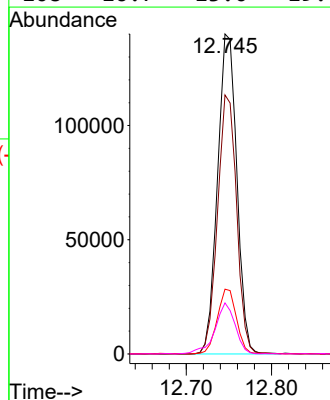
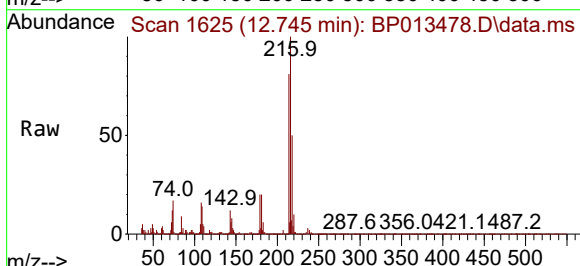
Ion Ratio Lower Upper

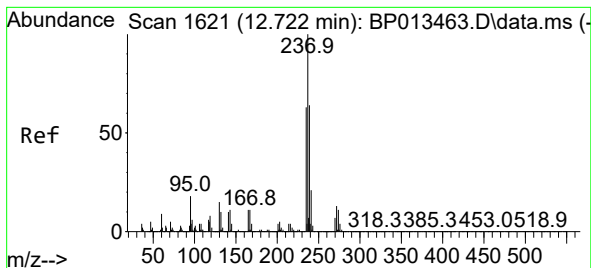
216 100

214 80.0 62.1 93.1

179 20.2 15.6 23.4

108 16.7 13.0 19.6





#41

Hexachlorocyclopentadiene

Concen: 4.389 ng

RT: 12.722 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

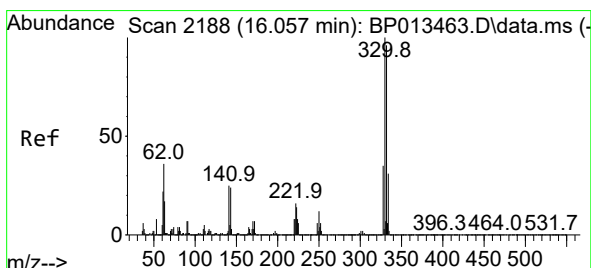
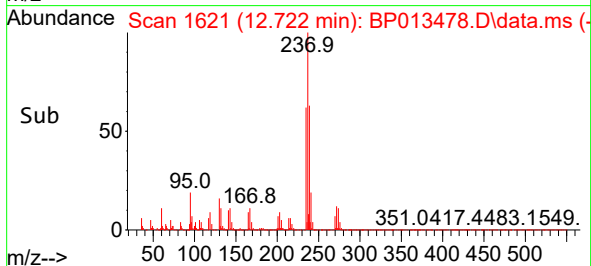
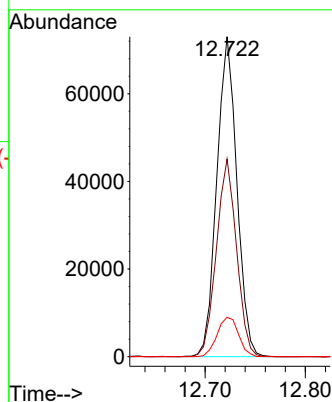
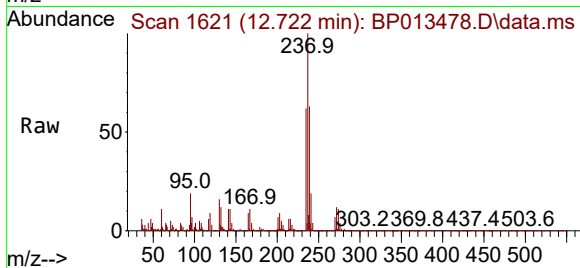
Tgt Ion:237 Resp: 101350

Ion Ratio Lower Upper

237 100

235 61.8 43.4 83.4

272 12.3 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 164.267 ng

RT: 16.057 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

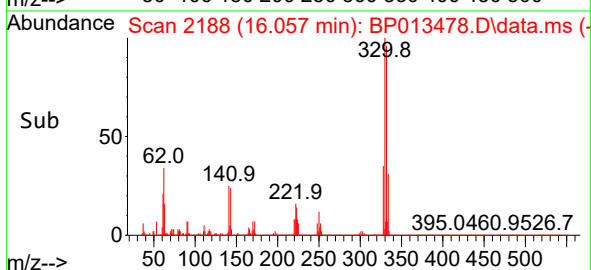
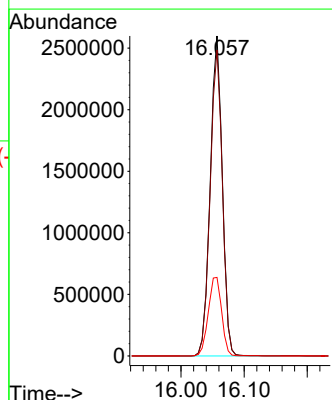
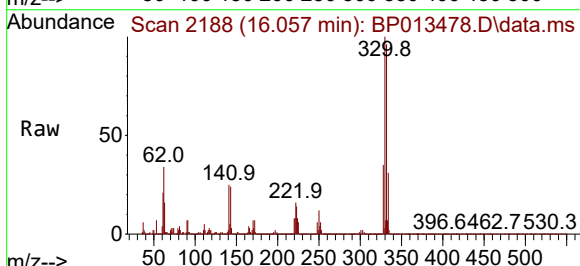
Tgt Ion:330 Resp: 3464807

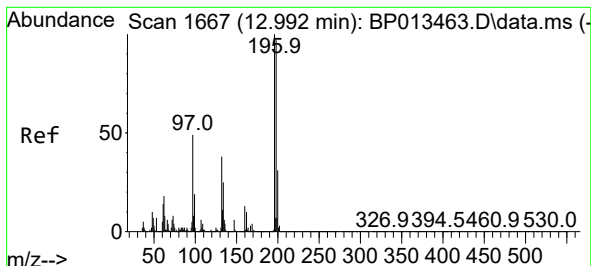
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 27.1 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 4.499 ng

RT: 12.992 min Scan# 1667

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

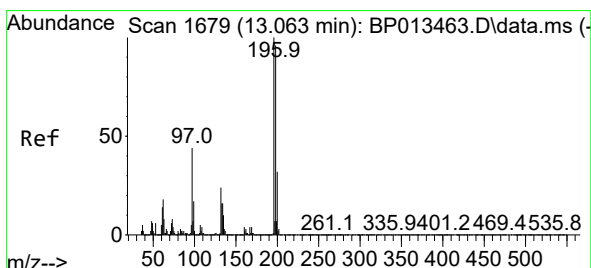
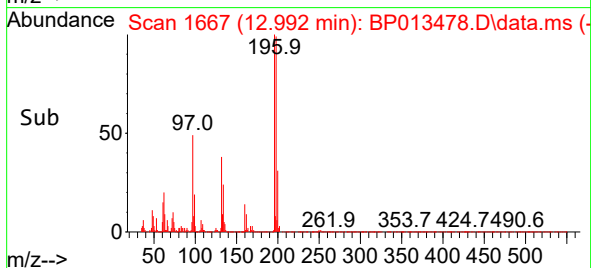
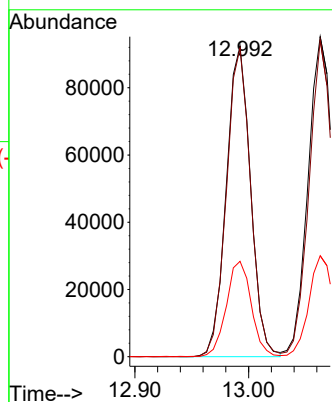
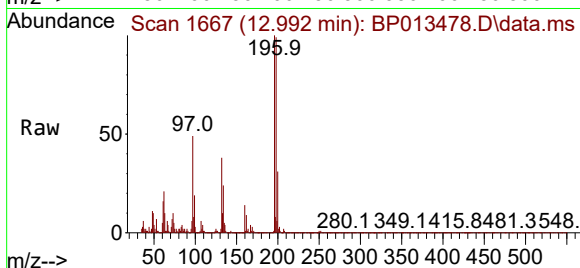
Tgt Ion:196 Resp: 137022

Ion Ratio Lower Upper

196 100

198 99.4 77.4 116.0

200 30.7 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 4.235 ng

RT: 13.063 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:196 Resp: 151341

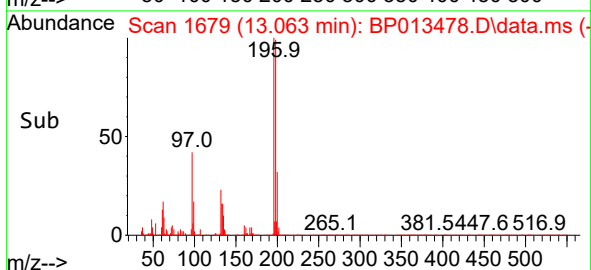
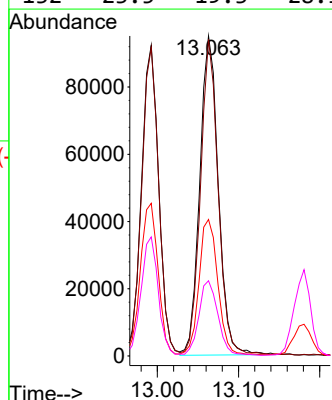
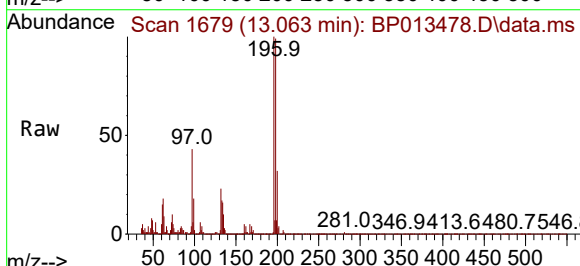
Ion Ratio Lower Upper

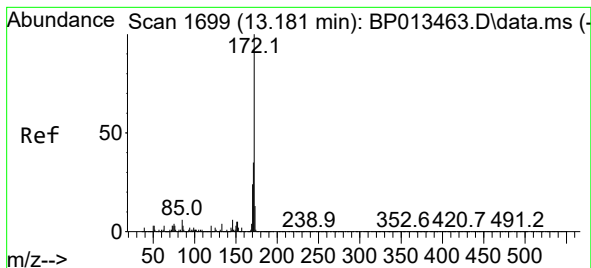
196 100

198 99.0 76.8 115.2

97 42.6 34.9 52.3

132 23.5 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 91.528 ng

RT: 13.181 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

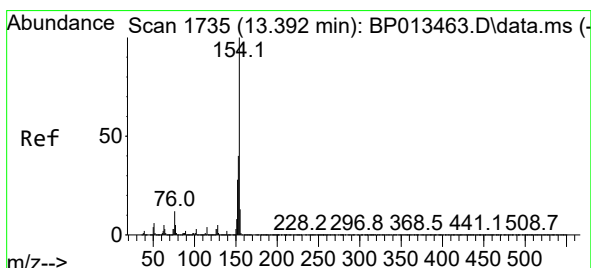
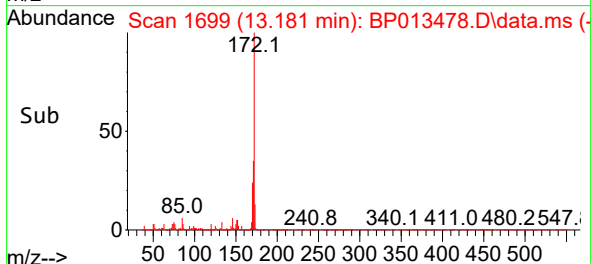
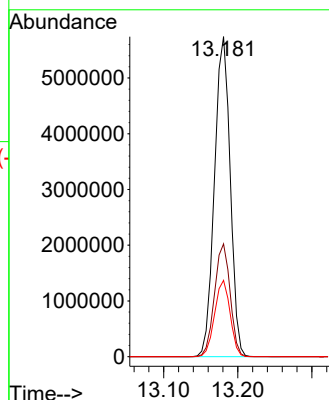
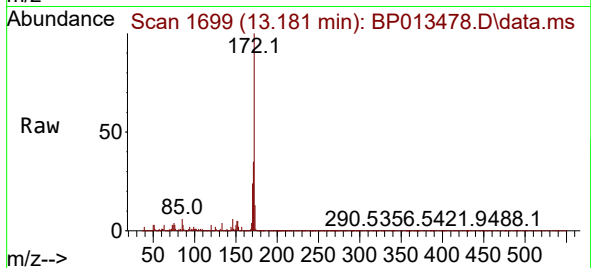
Tgt Ion:172 Resp: 8460431

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 5.180 ng

RT: 13.392 min Scan# 1735

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

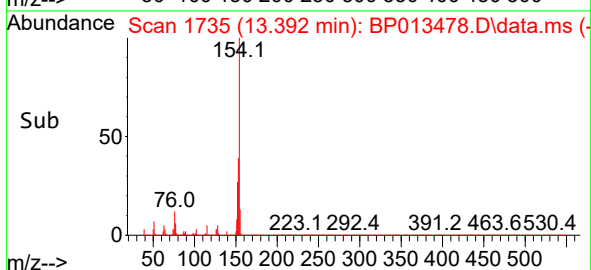
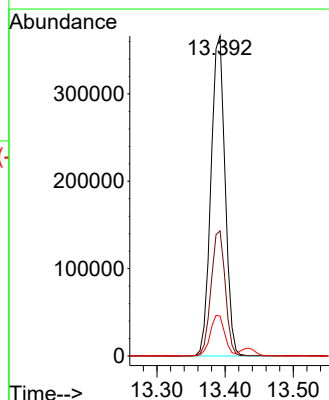
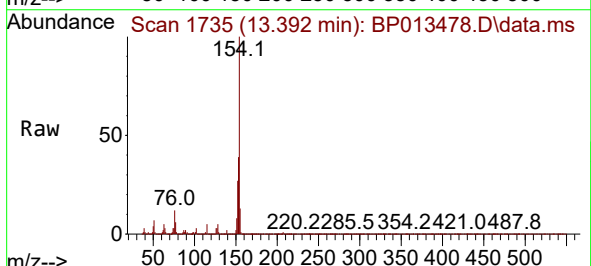
Tgt Ion:154 Resp: 529213

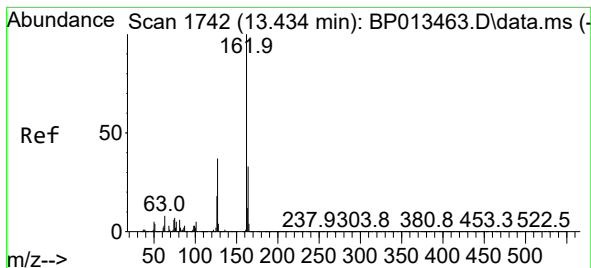
Ion Ratio Lower Upper

154 100

153 39.1 19.9 59.9

76 12.5 0.0 32.5





#47

2-Chloronaphthalene

Concen: 5.104 ng

RT: 13.434 min Scan# 1742

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

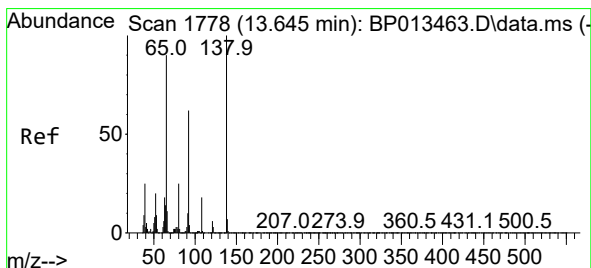
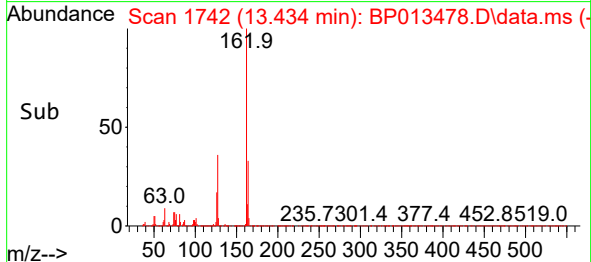
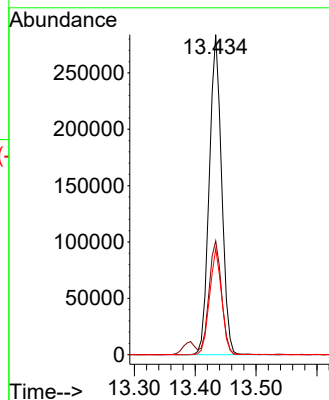
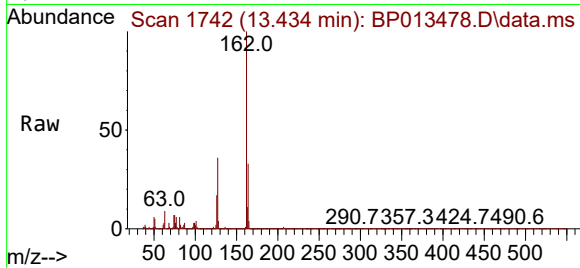
Tgt Ion:162 Resp: 399919

Ion Ratio Lower Upper

162 100

127 35.6 29.8 44.8

164 33.1 26.4 39.6



#48

2-Nitroaniline

Concen: 4.052 ng

RT: 13.640 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

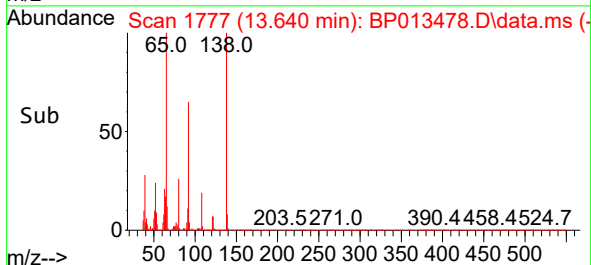
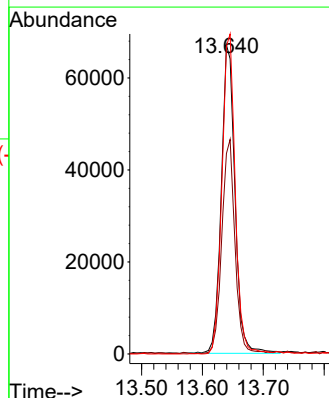
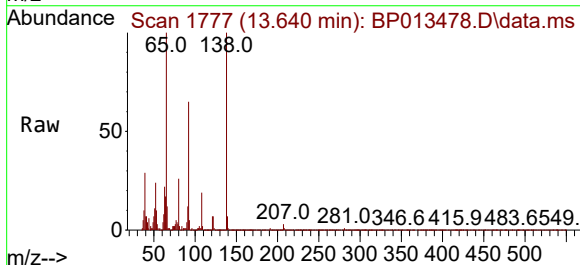
Tgt Ion: 65 Resp: 104495

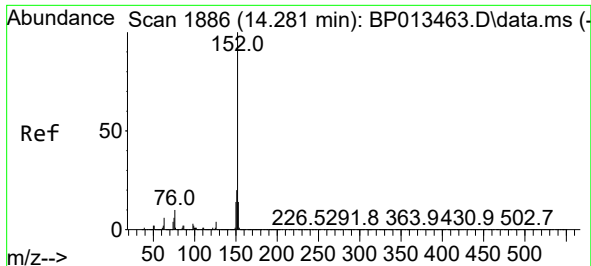
Ion Ratio Lower Upper

65 100

92 64.9 55.1 82.7

138 99.5 88.5 132.7

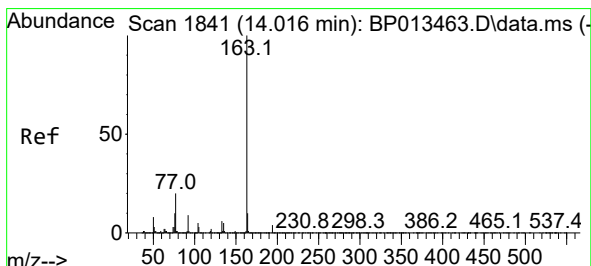
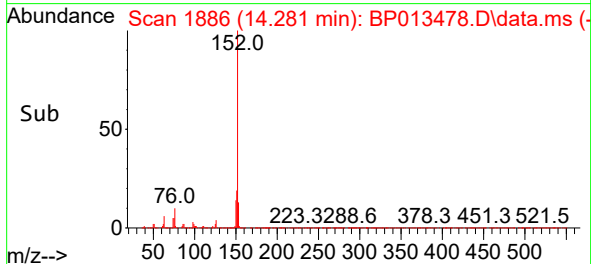
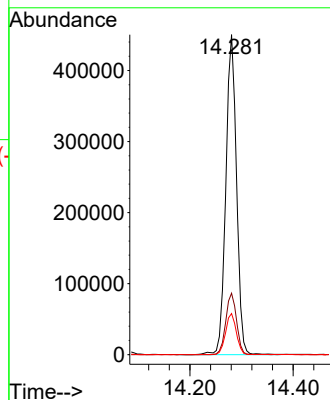
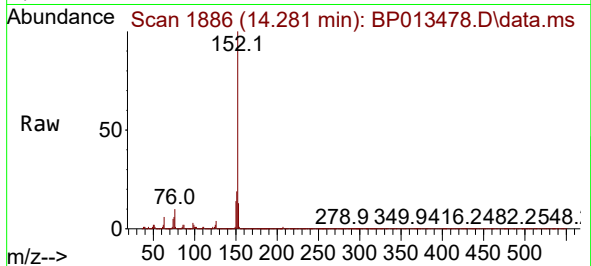




#49
Acenaphthylene
Concen: 5.002 ng
RT: 14.281 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

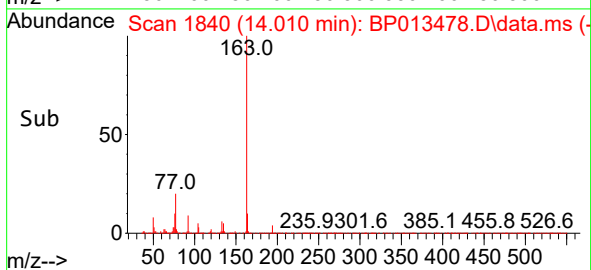
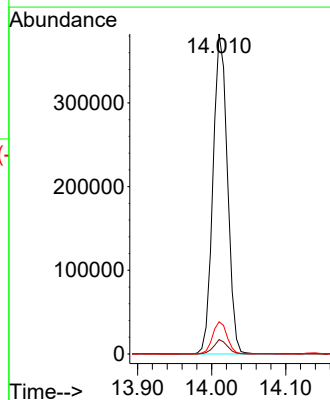
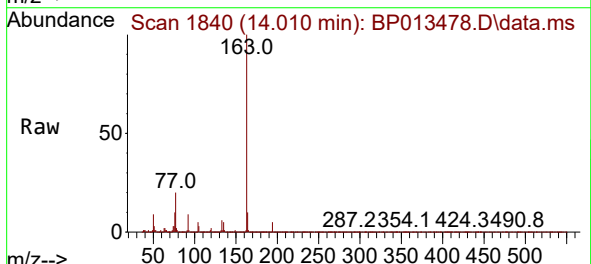
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

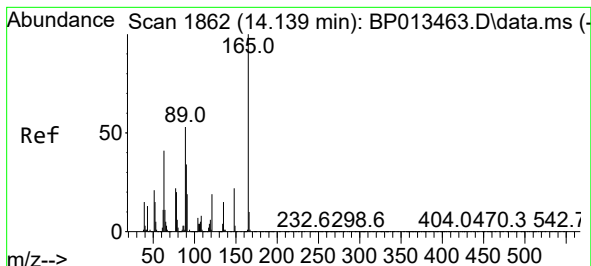
Tgt Ion:152 Resp: 646350
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 12.9 10.9 16.3



#50
Dimethylphthalate
Concen: 4.831 ng
RT: 14.010 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:163 Resp: 517637
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.1 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 4.305 ng

RT: 14.134 min Scan# 1862

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

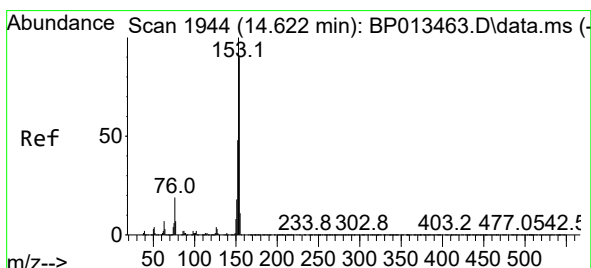
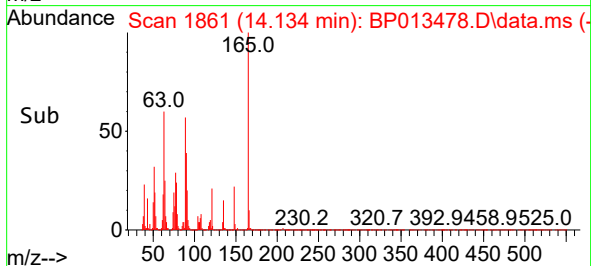
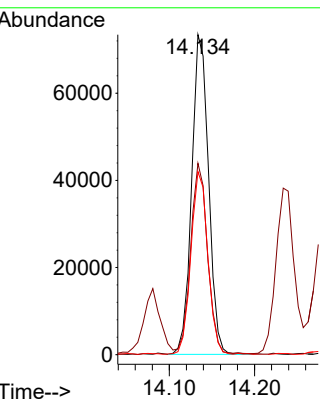
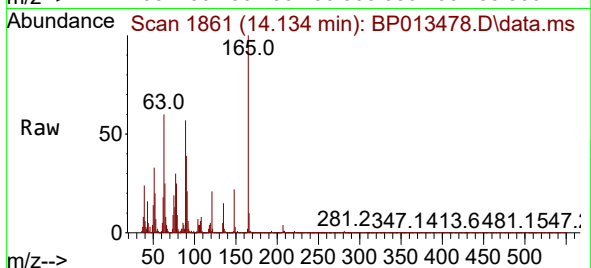
Tgt Ion:165 Resp: 100618

Ion Ratio Lower Upper

165 100

63 59.8 42.8 64.2

89 57.2 42.5 63.7



#52

Acenaphthene

Concen: 4.893 ng

RT: 14.622 min Scan# 1944

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

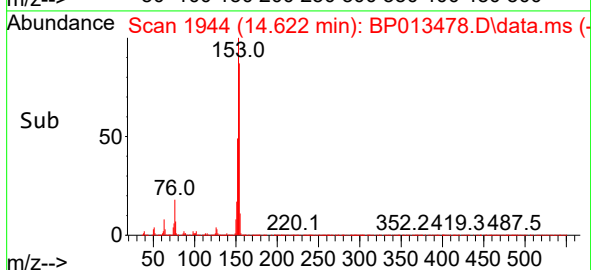
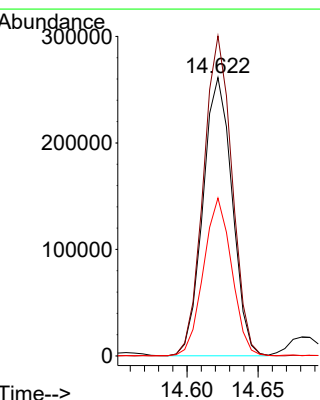
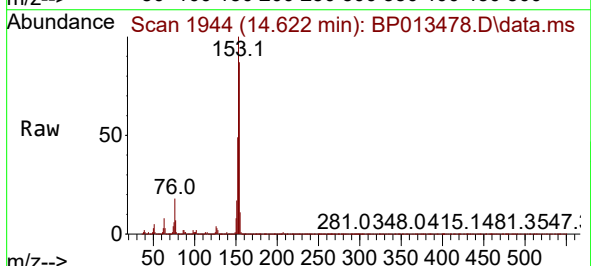
Tgt Ion:154 Resp: 374220

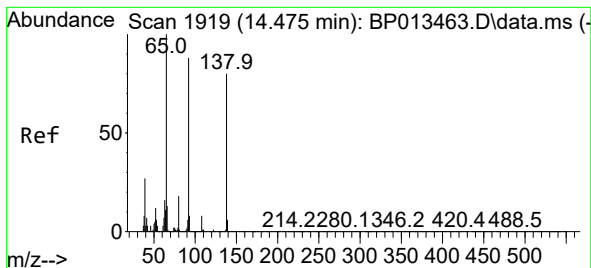
Ion Ratio Lower Upper

154 100

153 115.0 89.2 133.8

152 56.7 42.8 64.2





#53

3-Nitroaniline

Concen: 3.903 ng

RT: 14.469 min Scan# 1919

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

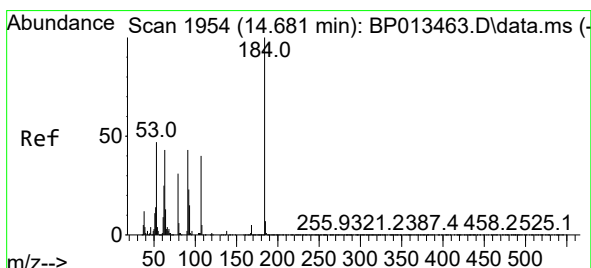
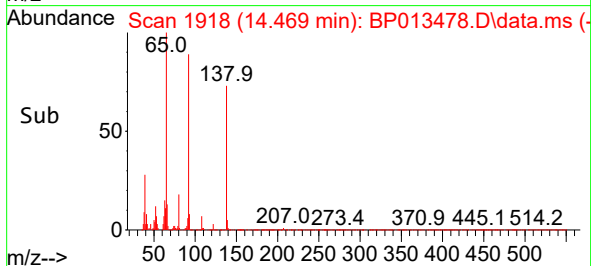
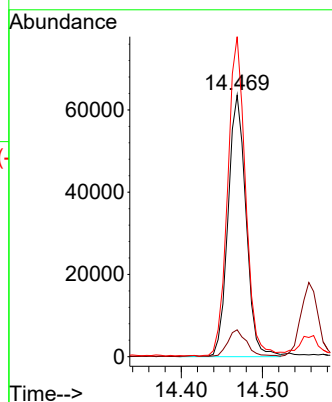
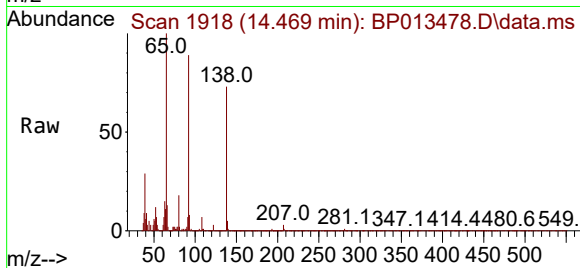
Tgt Ion:138 Resp: 97605

Ion Ratio Lower Upper

138 100

108 10.3 7.7 11.5

92 122.4 88.2 132.2



#54

2,4-Dinitrophenol

Concen: 3.127 ng

RT: 14.681 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

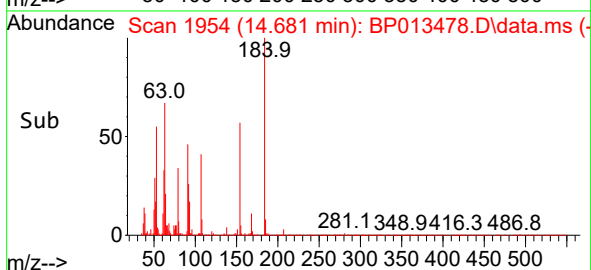
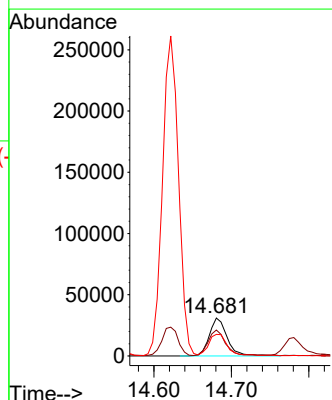
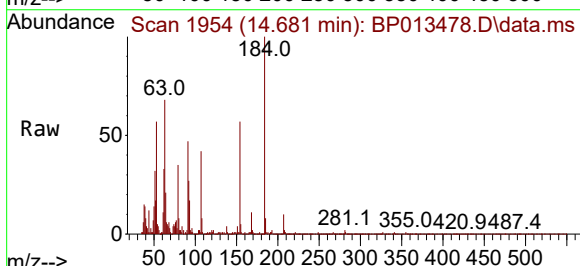
Tgt Ion:184 Resp: 49669

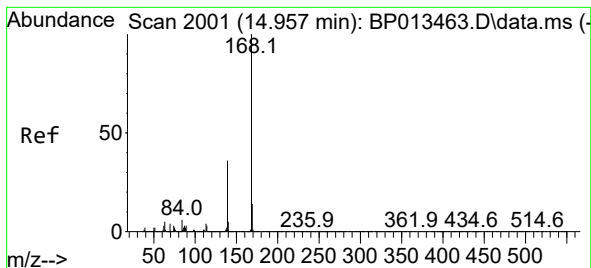
Ion Ratio Lower Upper

184 100

63 68.2 49.8 74.8

154 56.9 45.8 68.8





#55

Dibenzenofuran

Concen: 4.974 ng

RT: 14.957 min Scan# 2001

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

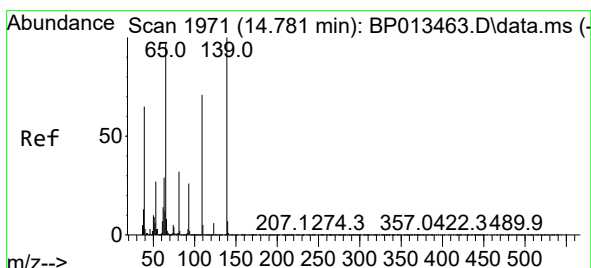
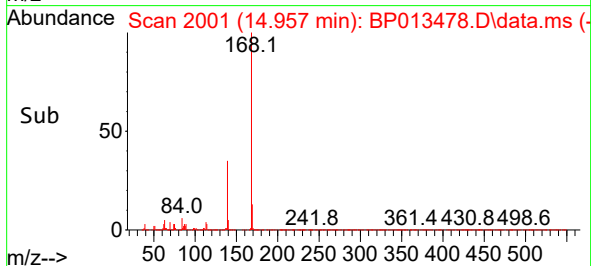
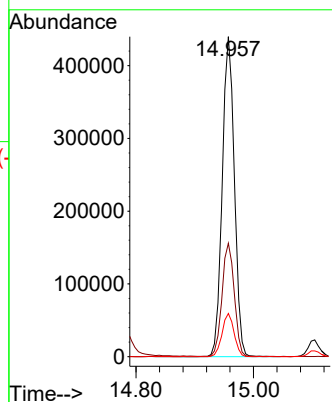
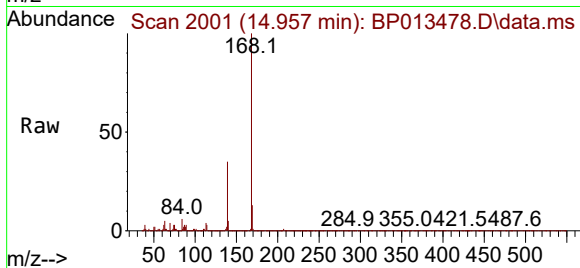
Tgt Ion:168 Resp: 630667

Ion Ratio Lower Upper

168 100

139 35.4 28.6 43.0

169 13.5 11.0 16.6



#56

4-Nitrophenol

Concen: 3.880 ng

RT: 14.781 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

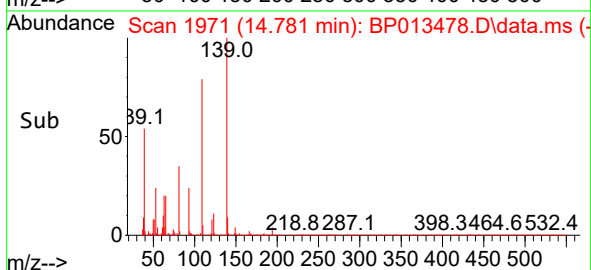
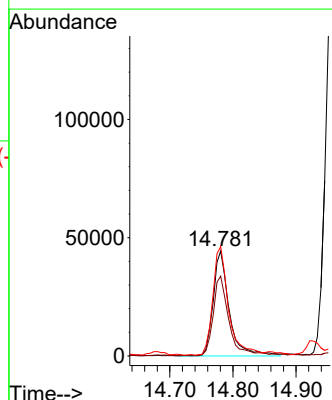
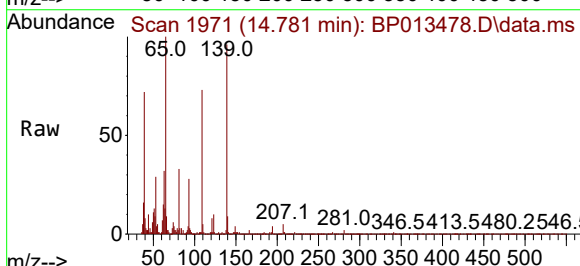
Tgt Ion:139 Resp: 77951

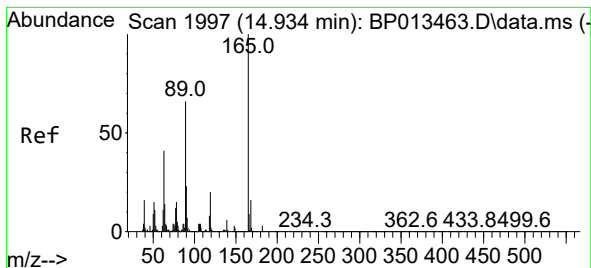
Ion Ratio Lower Upper

139 100

109 76.1 51.0 91.0

65 104.3 77.3 117.3





#57

2,4-Dinitrotoluene

Concen: 4.200 ng

RT: 14.928 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:165 Resp: 134239

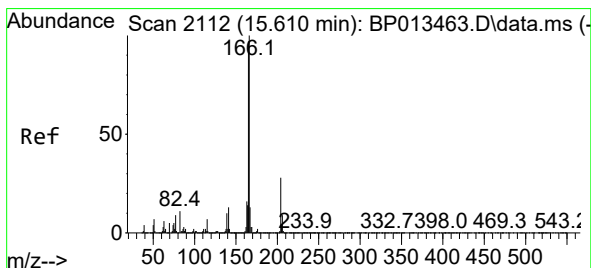
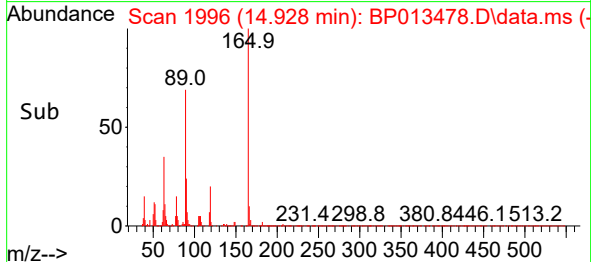
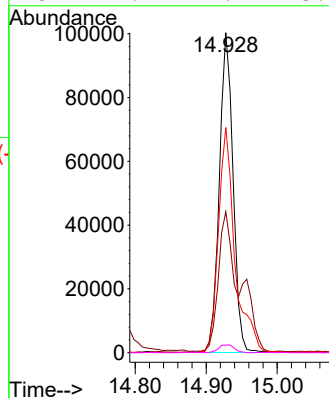
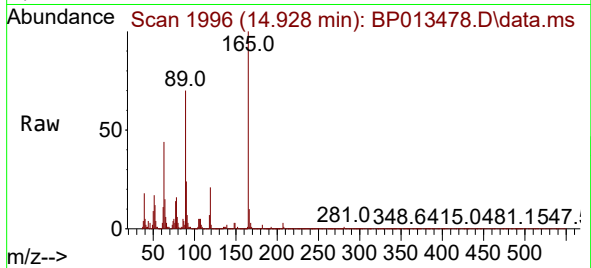
Ion Ratio Lower Upper

165 100

63 44.0 33.3 49.9

89 70.4 52.6 78.8

182 2.4 2.2 3.2



#58

Fluorene

Concen: 5.020 ng

RT: 15.610 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

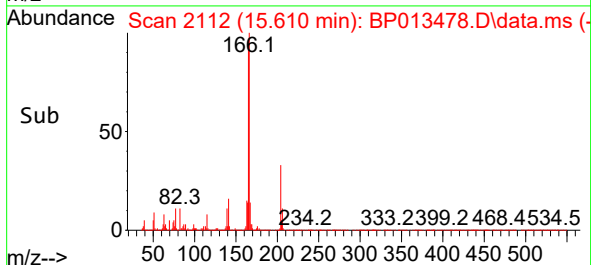
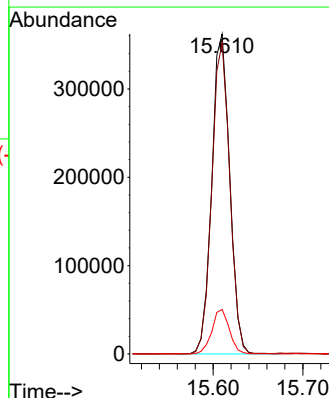
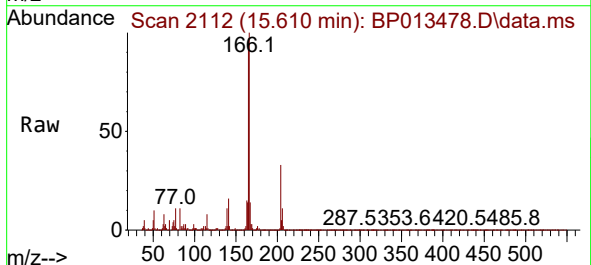
Tgt Ion:166 Resp: 502288

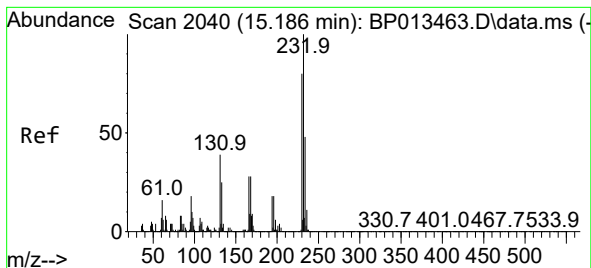
Ion Ratio Lower Upper

166 100

165 97.2 77.9 116.9

167 13.9 10.7 16.1

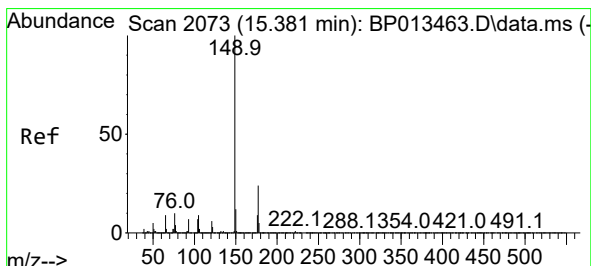
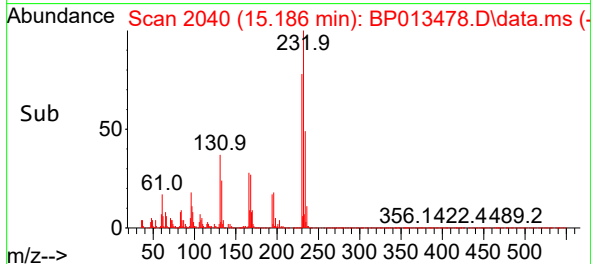
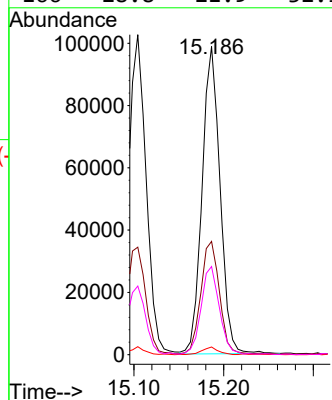
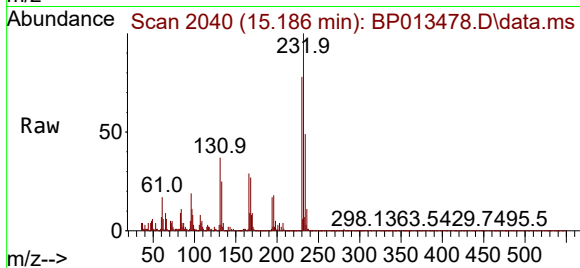




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.448 ng
RT: 15.186 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

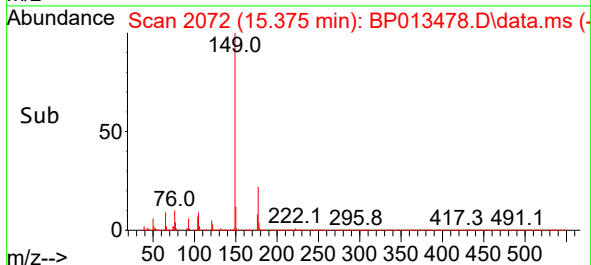
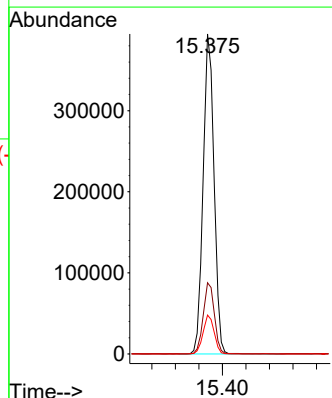
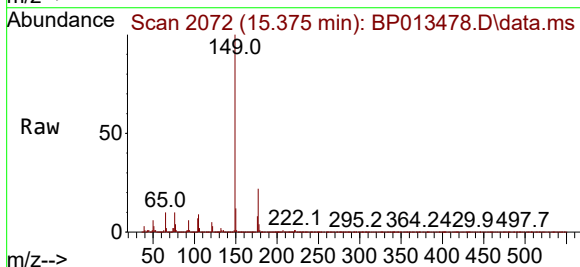
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

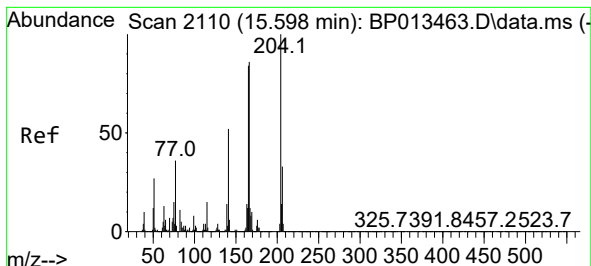
Tgt Ion:	232	Resp:	137455
Ion Ratio	Lower	Upper	
232	100		
131	37.5	30.3	45.5
130	2.3	1.7	2.5
166	28.8	21.9	32.9



#60
Diethylphthalate
Concen: 4.862 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:	149	Resp:	509740
Ion Ratio	Lower	Upper	
149	100		
177	22.2	18.8	28.2
150	12.2	9.9	14.9

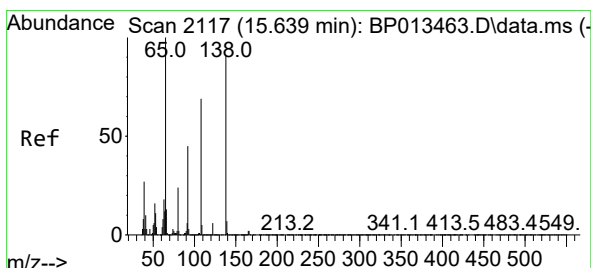
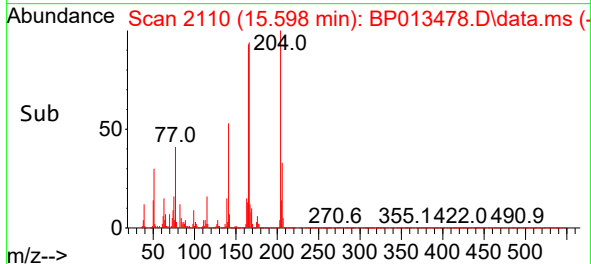
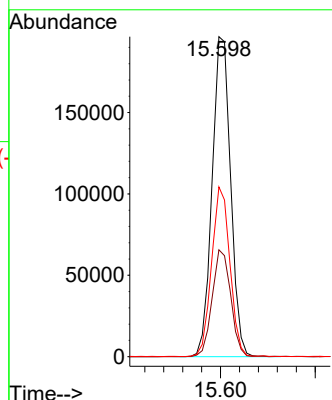
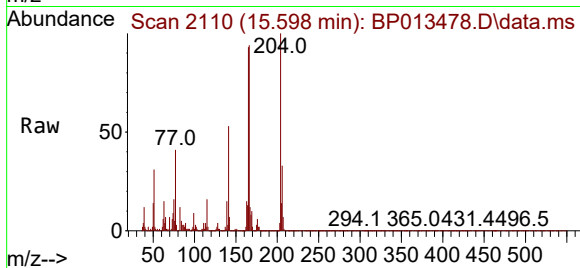




#61
4-Chlorophenyl-phenylether
Concen: 5.035 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

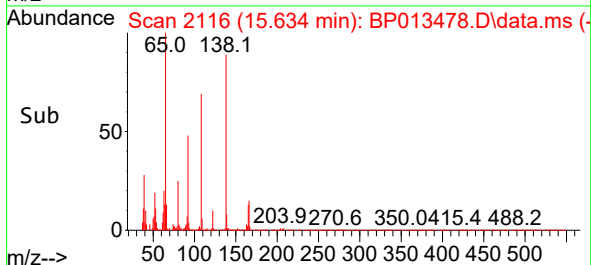
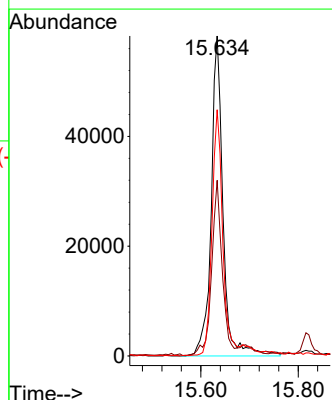
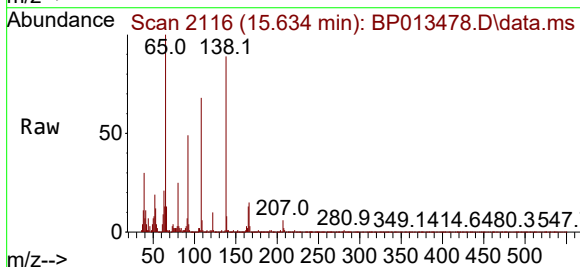
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

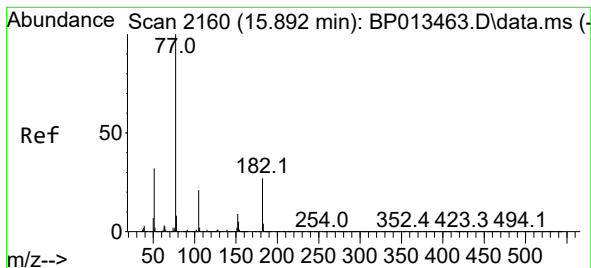
Tgt Ion:204 Resp: 267554
Ion Ratio Lower Upper
204 100
206 33.4 26.4 39.6
141 53.1 41.3 61.9



#62
4-Nitroaniline
Concen: 3.823 ng
RT: 15.634 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:138 Resp: 97872
Ion Ratio Lower Upper
138 100
92 54.9 29.7 69.7
108 76.9 55.8 95.8





#63

Azobenzene

Concen: 4.661 ng

RT: 15.898 min Scan# 2160

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion: 77 Resp: 448768

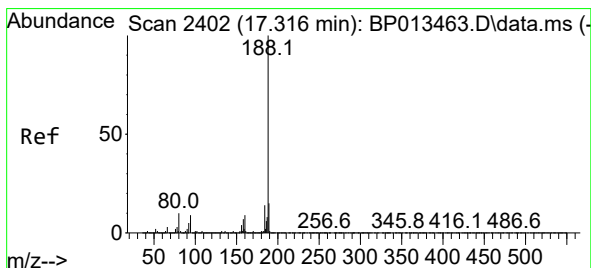
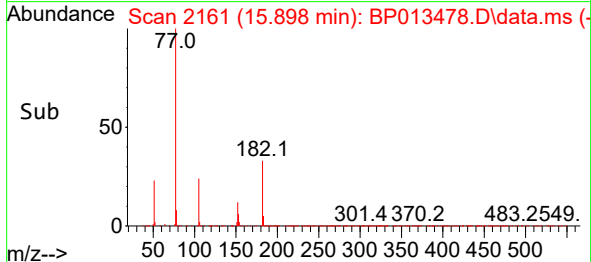
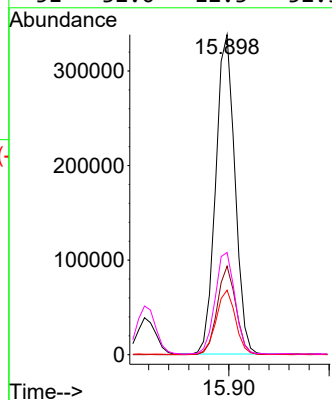
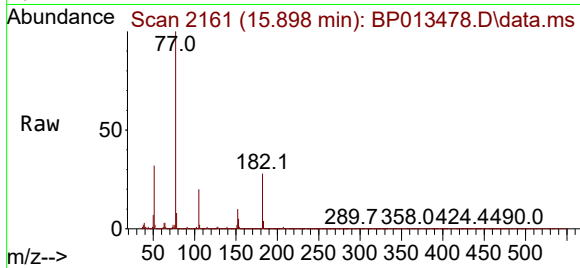
Ion Ratio Lower Upper

77 100

182 27.7 7.0 47.0

105 20.2 1.0 41.0

51 32.0 12.3 52.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.316 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

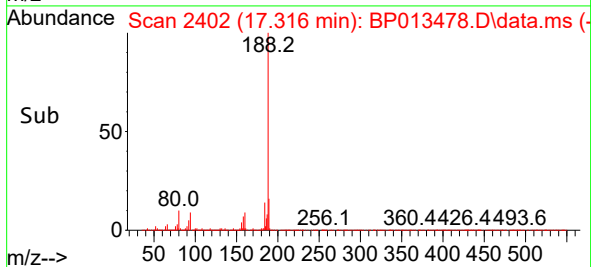
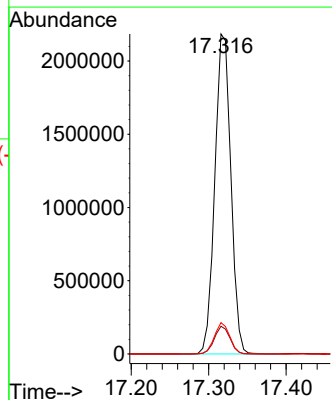
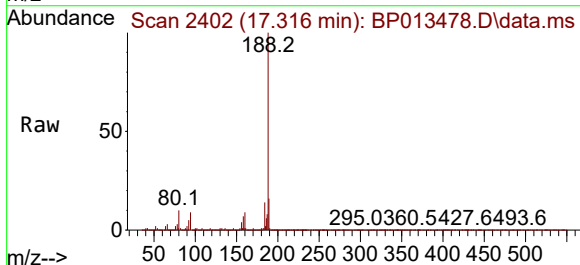
Tgt Ion:188 Resp: 3135900

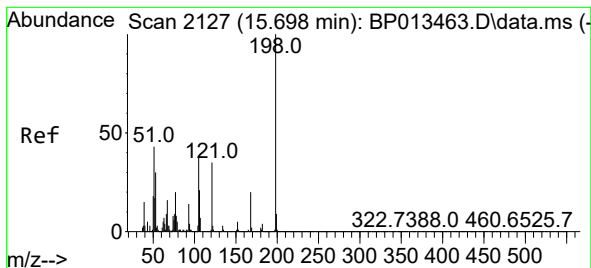
Ion Ratio Lower Upper

188 100

94 8.6 7.1 10.7

80 9.8 7.9 11.9

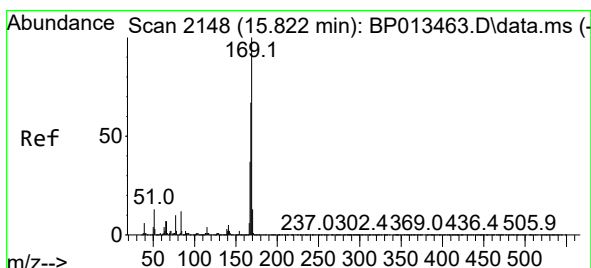
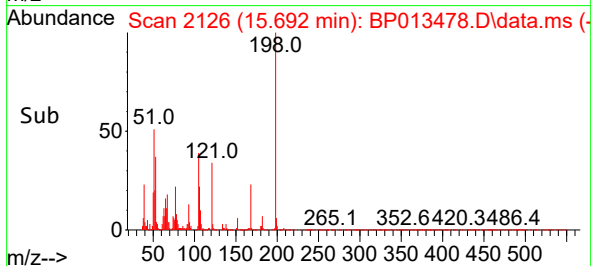
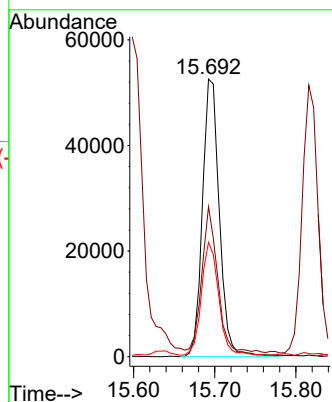
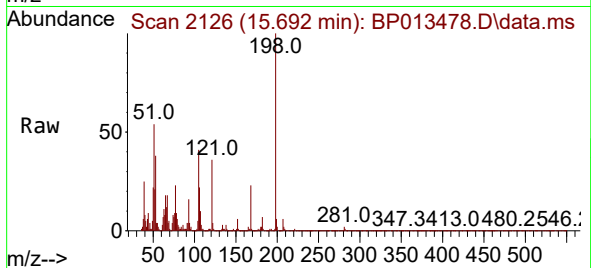




#65
4,6-Dinitro-2-methylphenol
Concen: 3.548 ng
RT: 15.692 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

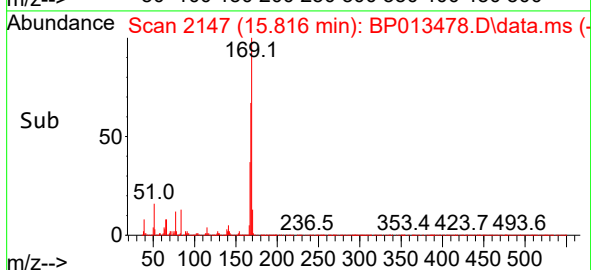
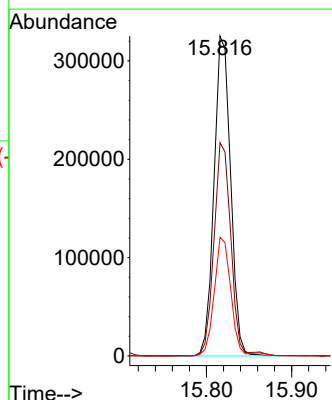
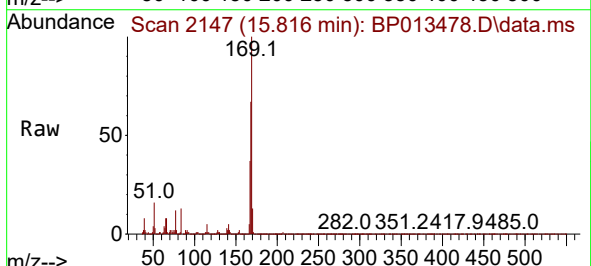
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

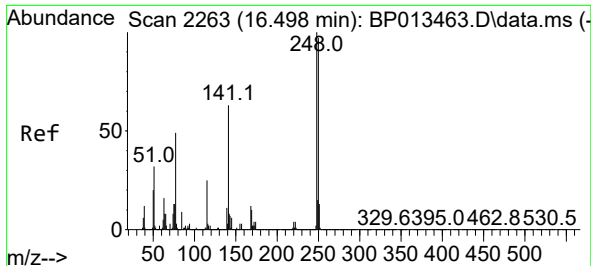
Tgt Ion:198 Resp: 76095
Ion Ratio Lower Upper
198 100
51 54.0 23.6 63.6
105 41.3 17.9 57.9



#66
n-Nitrosodiphenylamine
Concen: 4.774 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:169 Resp: 439935
Ion Ratio Lower Upper
169 100
168 66.6 53.3 79.9
167 37.1 29.4 44.0

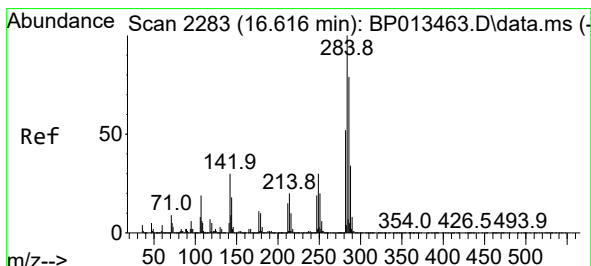
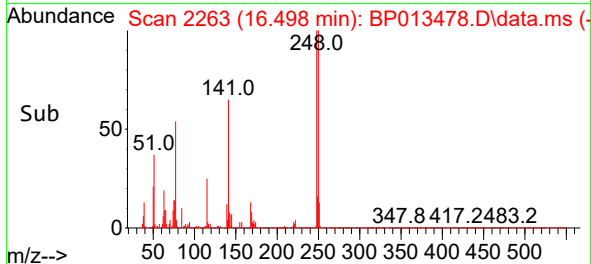
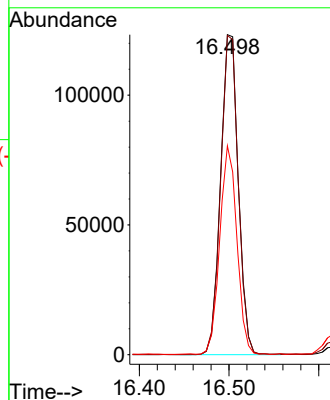
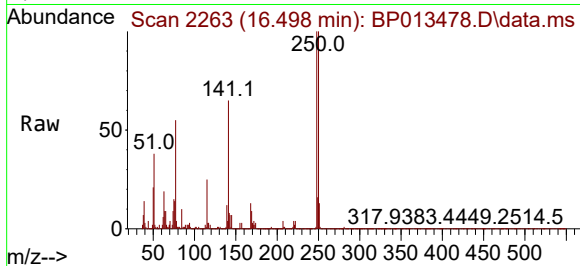




#67
4-Bromophenyl-phenylether
Concen: 4.677 ng
RT: 16.498 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

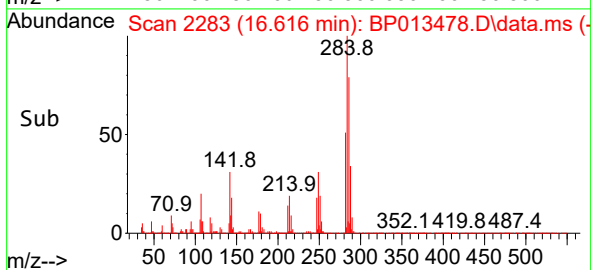
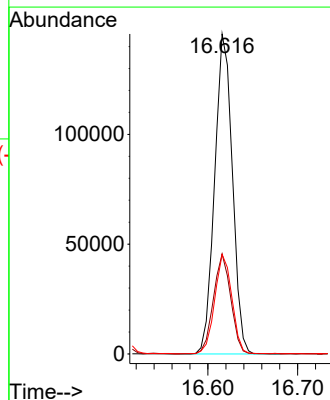
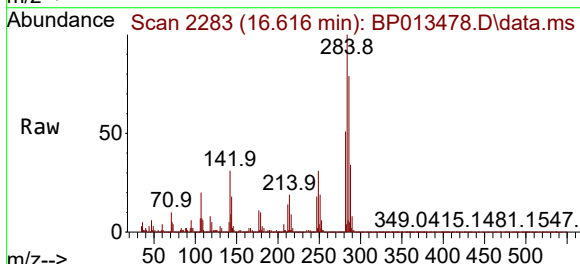
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

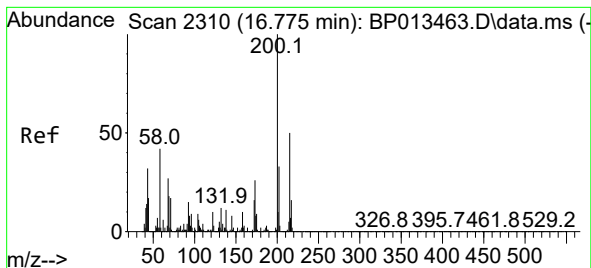
Tgt Ion:248 Resp: 168844
Ion Ratio Lower Upper
248 100
250 99.7 77.7 116.5
141 65.3 50.2 75.4



#68
Hexachlorobenzene
Concen: 5.080 ng
RT: 16.616 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:284 Resp: 199714
Ion Ratio Lower Upper
284 100
142 31.3 23.9 35.9
249 31.1 24.1 36.1





#69

Atrazine

Concen: 4.823 ng

RT: 16.775 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

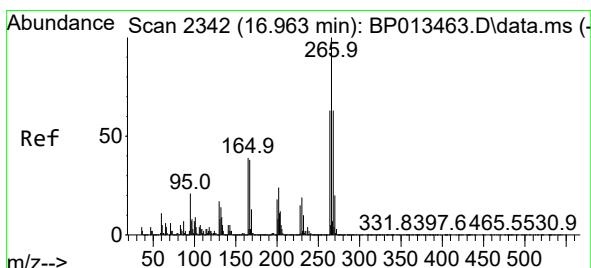
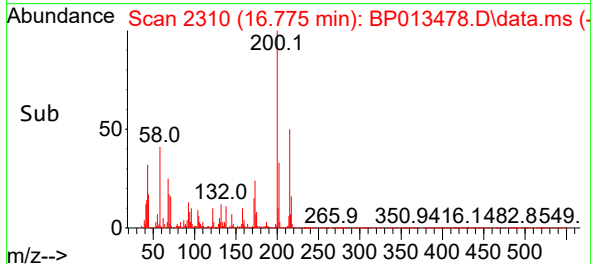
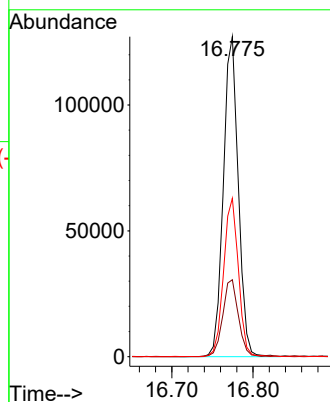
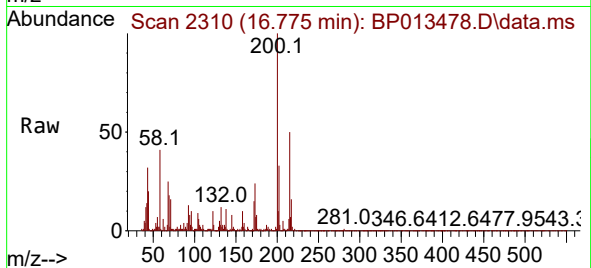
Tgt Ion:200 Resp: 162754

Ion Ratio Lower Upper

200 100

173 24.1 5.9 45.9

215 49.5 30.0 70.0



#70

Pentachlorophenol

Concen: 3.743 ng

RT: 16.969 min Scan# 2343

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

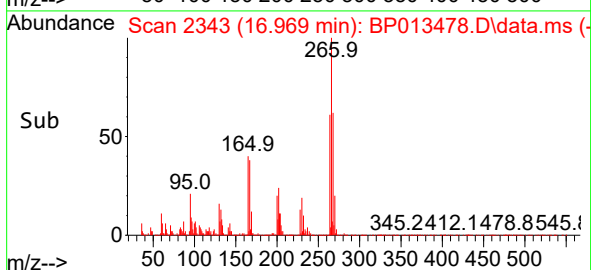
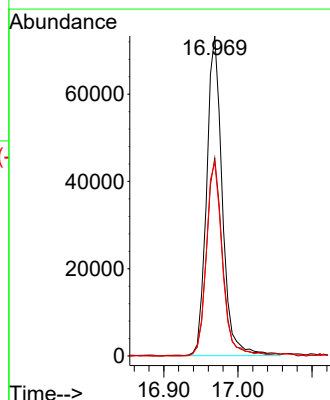
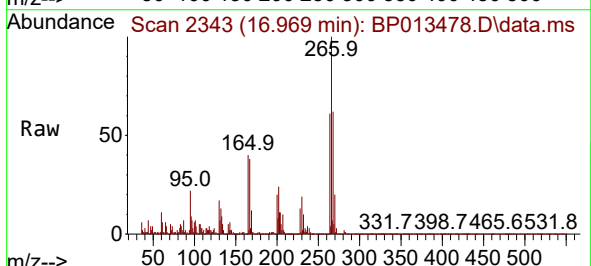
Tgt Ion:266 Resp: 107857

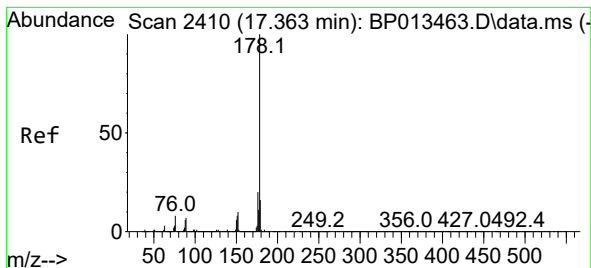
Ion Ratio Lower Upper

266 100

268 61.9 50.7 76.1

264 60.6 50.4 75.6





#71

Phenanthrene

Concen: 5.007 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

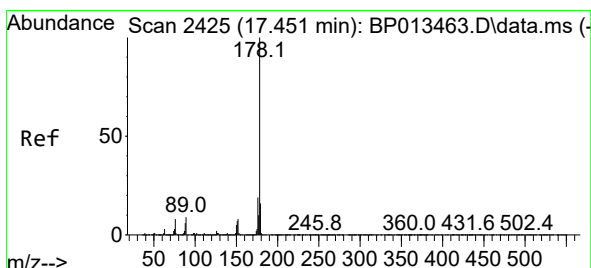
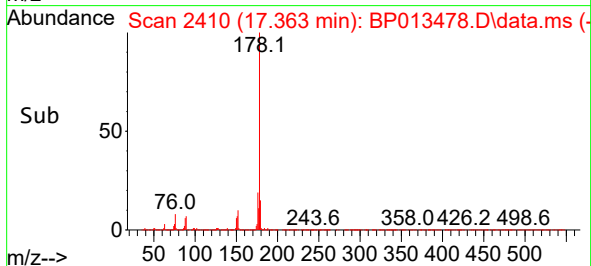
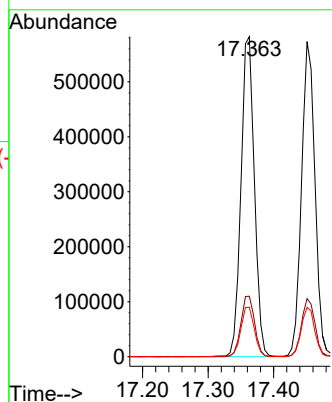
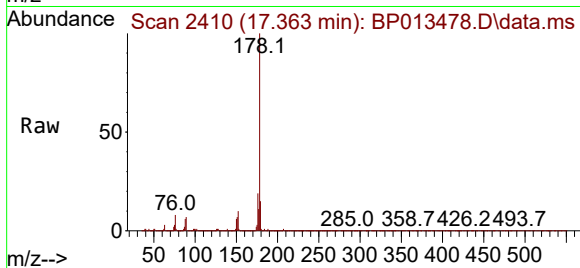
Tgt Ion:178 Resp: 828515

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 15.5 12.6 19.0



#72

Anthracene

Concen: 4.838 ng

RT: 17.451 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

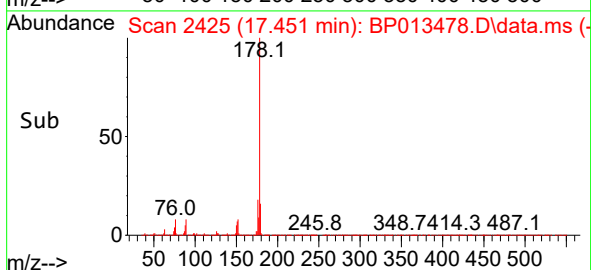
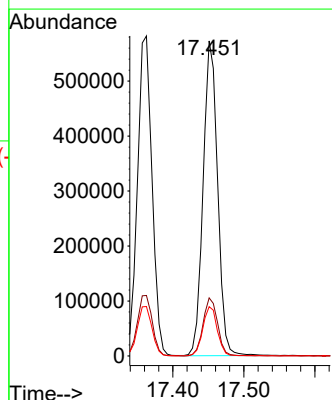
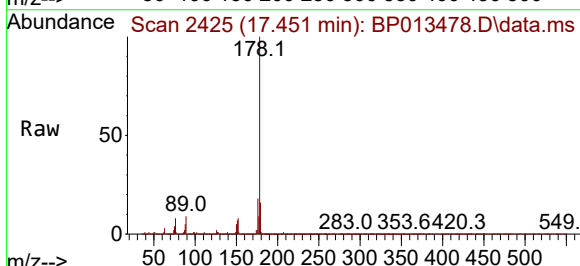
Tgt Ion:178 Resp: 814483

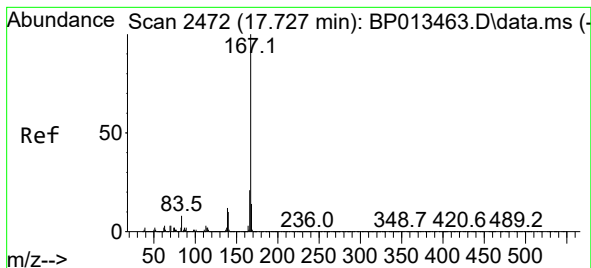
Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

179 15.6 12.6 18.8





#73

Carbazole

Concen: 4.843 ng

RT: 17.728 min Scan# 2472

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

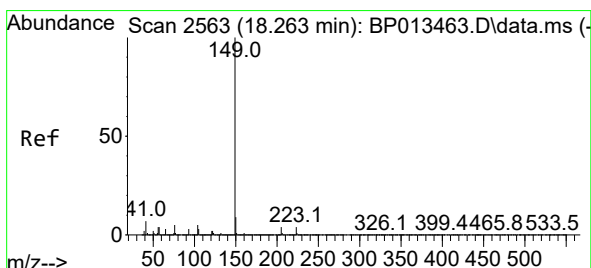
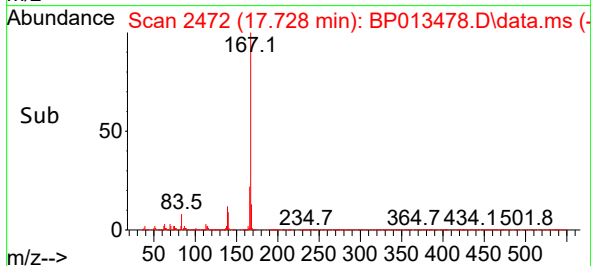
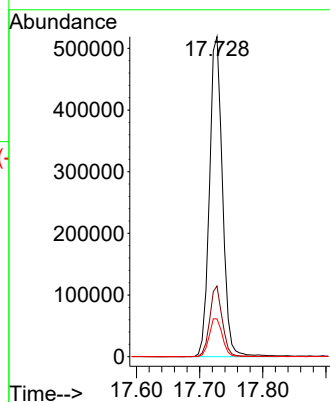
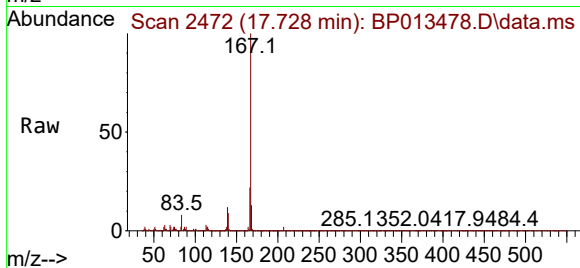
Tgt Ion:167 Resp: 742677

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 11.8 9.9 14.9



#74

Di-n-butylphthalate

Concen: 4.691 ng

RT: 18.269 min Scan# 2564

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

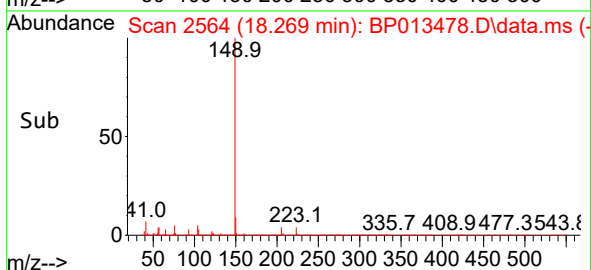
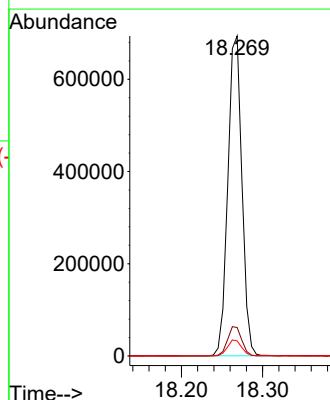
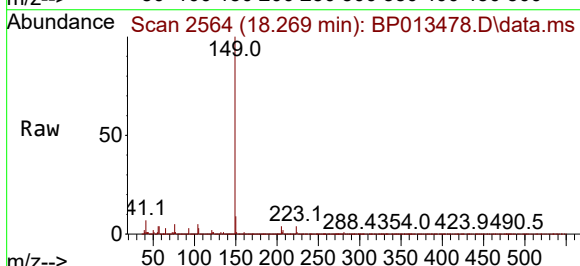
Tgt Ion:149 Resp: 834882

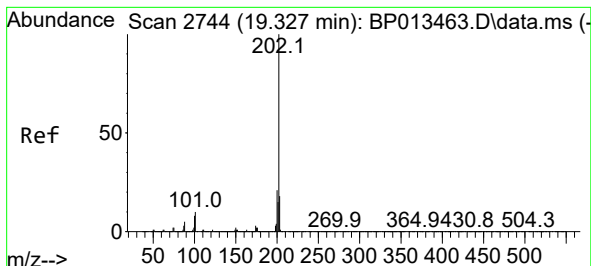
Ion Ratio Lower Upper

149 100

150 8.9 7.5 11.3

104 4.7 3.9 5.9





#75

Fluoranthene

Concen: 5.116 ng

RT: 19.327 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

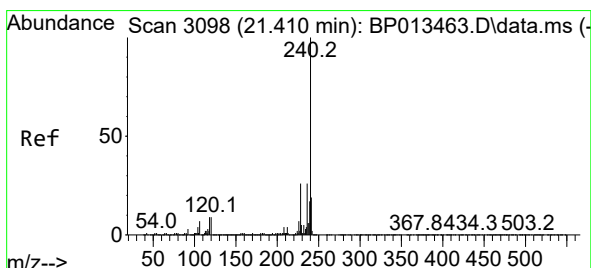
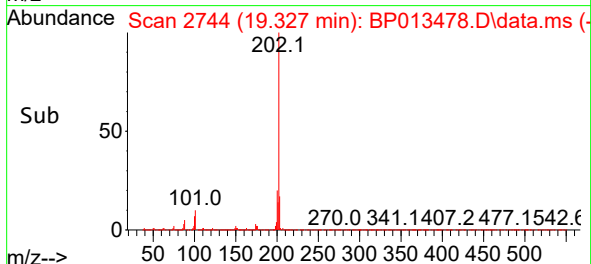
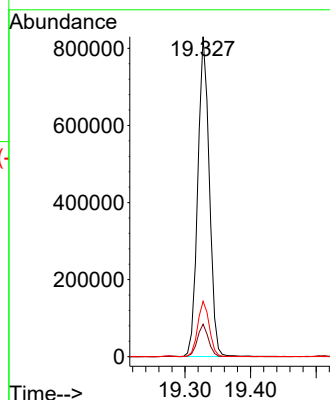
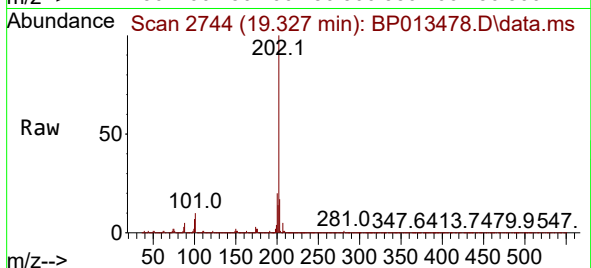
Tgt Ion:202 Resp: 1016783

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

203 17.3 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3098

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

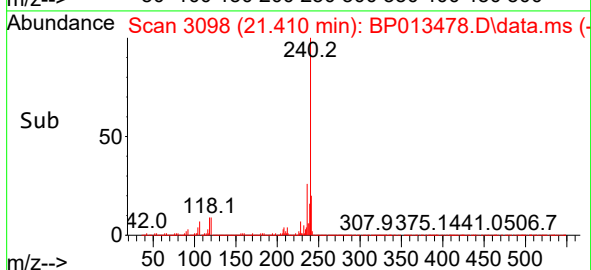
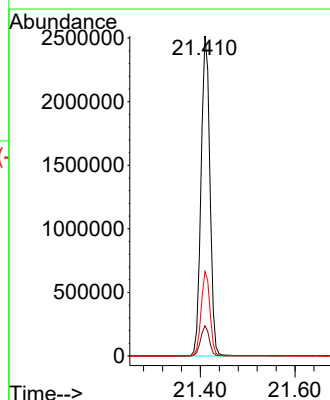
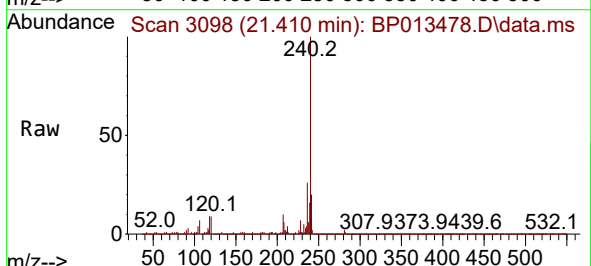
Tgt Ion:240 Resp: 3271138

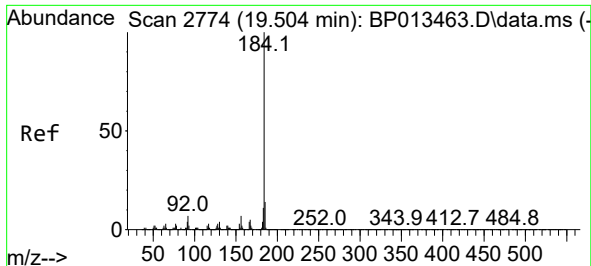
Ion Ratio Lower Upper

240 100

120 9.5 7.4 11.0

236 26.4 21.2 31.8

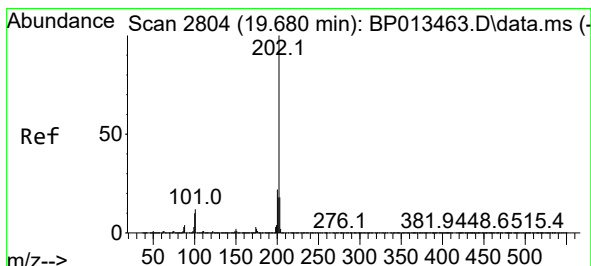
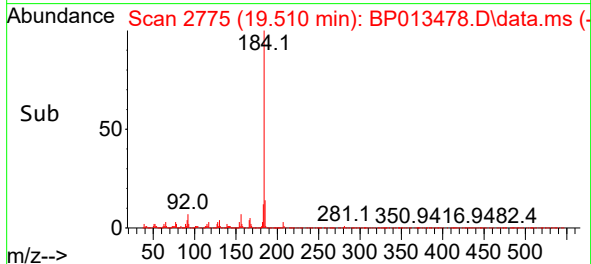
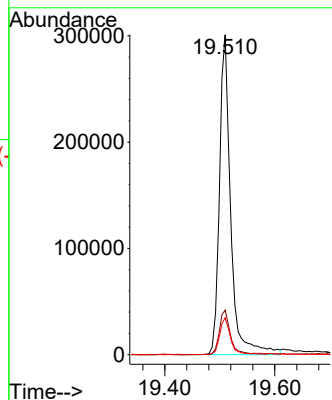
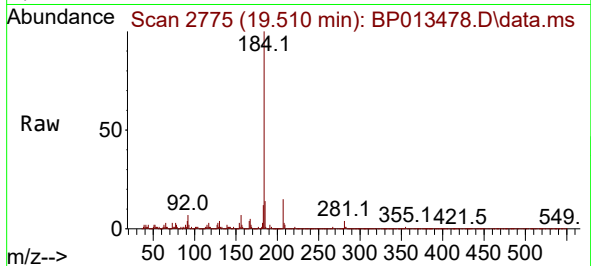




#77
Benzidine
Concen: 4.400 ng
RT: 19.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

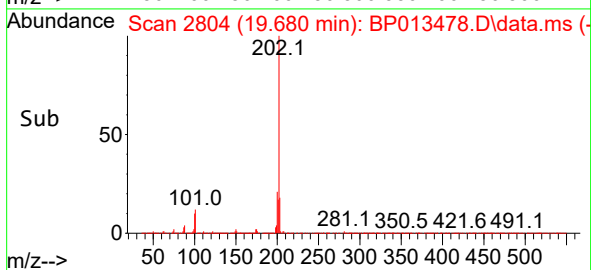
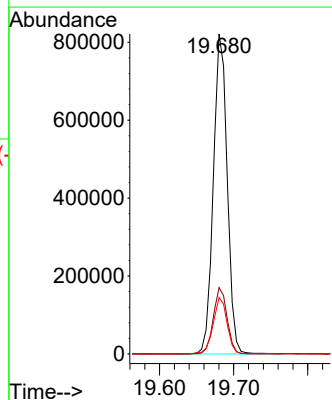
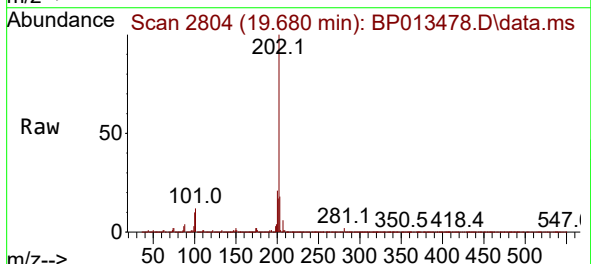
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

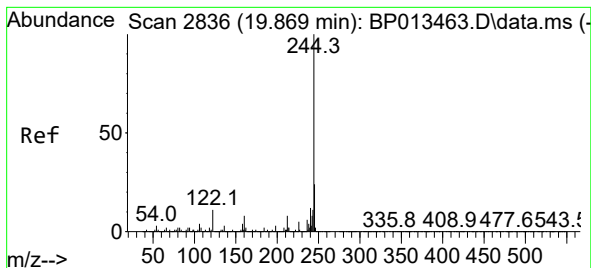
Tgt Ion:184 Resp: 427642
Ion Ratio Lower Upper
184 100
185 13.9 11.3 16.9
183 11.5 9.1 13.7



#78
Pyrene
Concen: 4.950 ng
RT: 19.680 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:202 Resp: 1064939
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 79.466 ng

RT: 19.874 min Scan# 2837

Delta R.T. 0.005 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

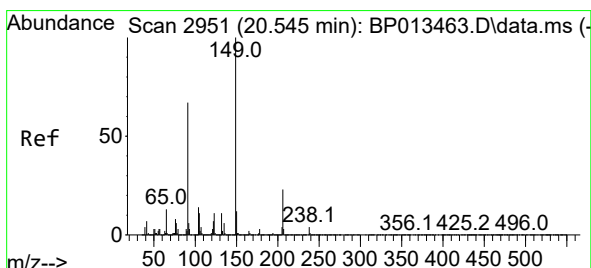
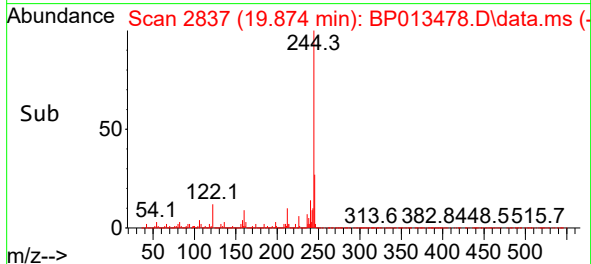
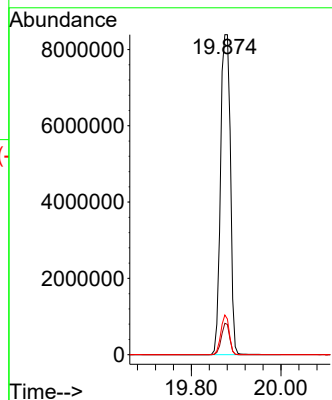
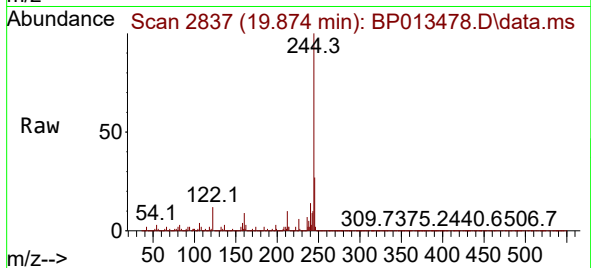
Tgt Ion:244 Resp:12714704

Ion Ratio Lower Upper

244 100

212 9.8 6.8 10.2

122 12.4 8.8 13.2



#80

Butylbenzylphthalate

Concen: 4.187 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

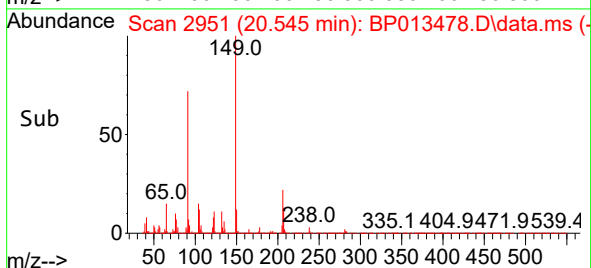
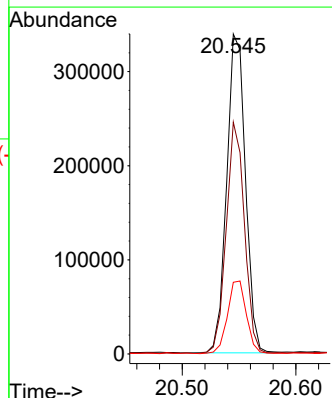
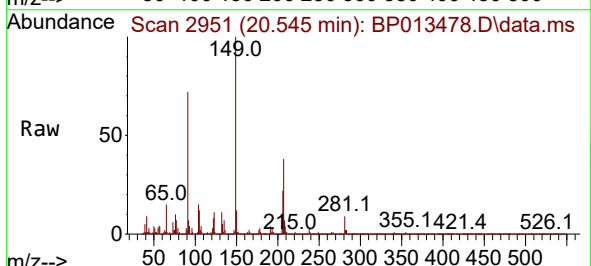
Tgt Ion:149 Resp: 389399

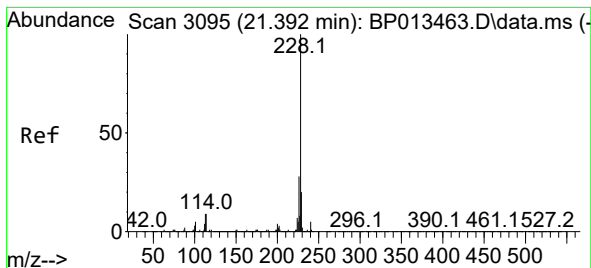
Ion Ratio Lower Upper

149 100

91 72.4 53.2 79.8

206 22.4 18.8 28.2





#81

Benzo(a)anthracene

Concen: 5.141 ng

RT: 21.392 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

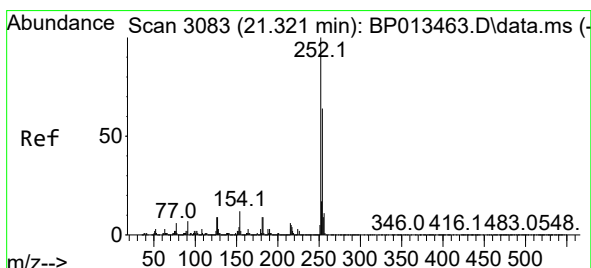
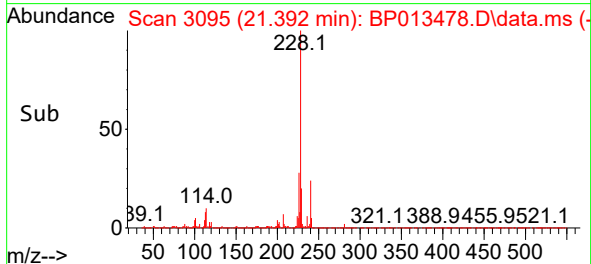
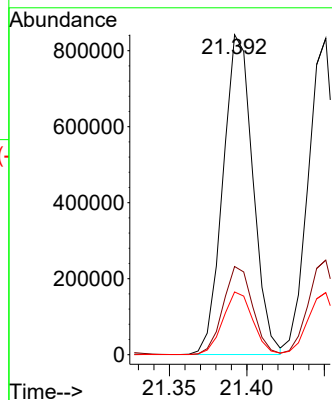
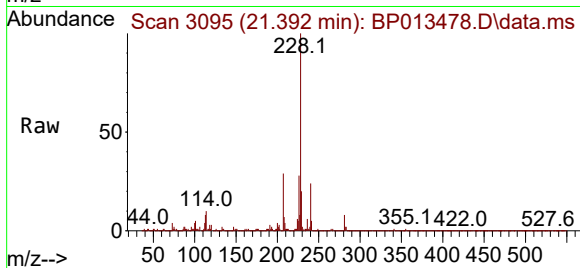
Tgt Ion:228 Resp: 1132557

Ion Ratio Lower Upper

228 100

226 27.5 22.6 34.0

229 19.6 16.4 24.6



#82

3,3'-Dichlorobenzidine

Concen: 4.925 ng

RT: 21.327 min Scan# 3084

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

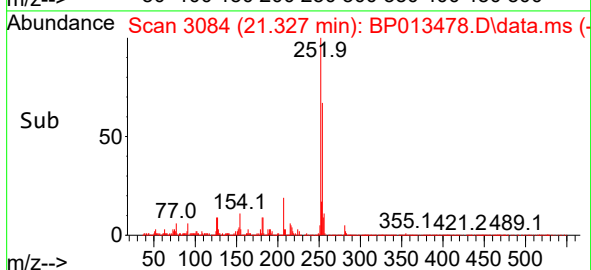
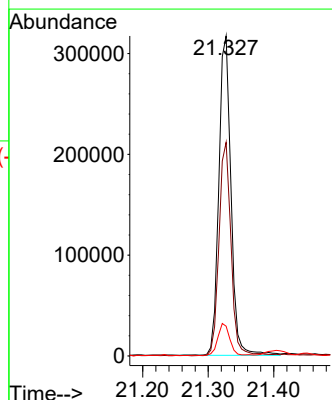
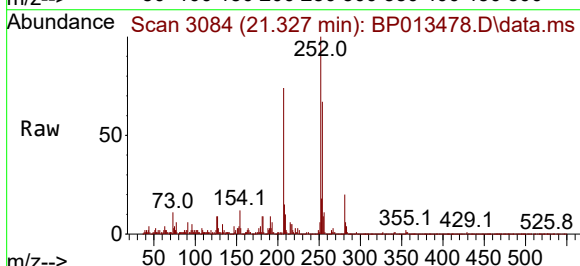
Tgt Ion:252 Resp: 405387

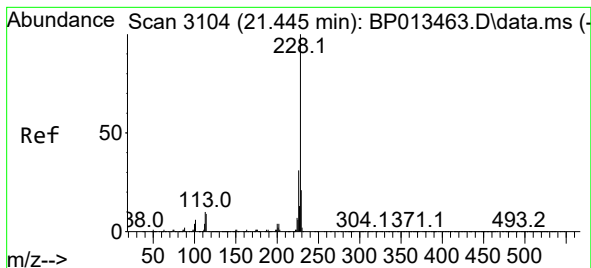
Ion Ratio Lower Upper

252 100

254 66.8 51.0 76.6

126 9.3 7.6 11.4





#83

Chrysene

Concen: 5.107 ng

RT: 21.451 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

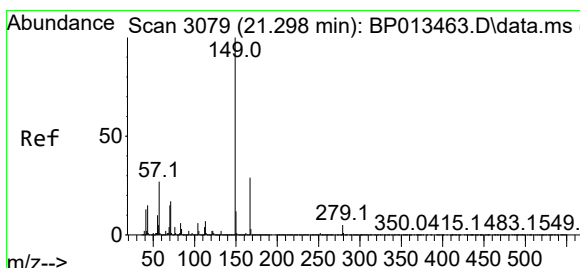
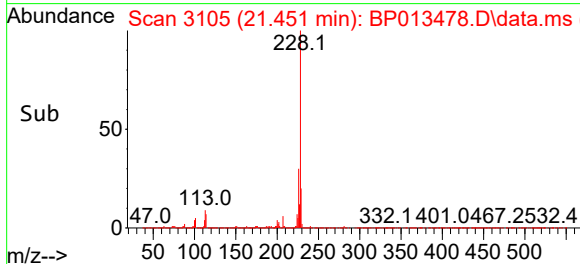
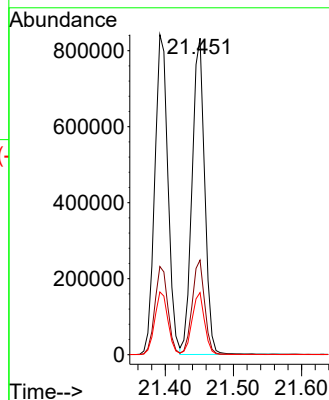
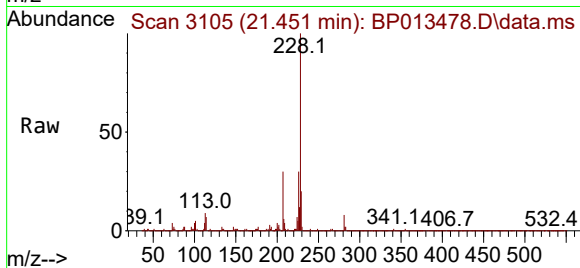
Tgt Ion:228 Resp: 1063028

Ion Ratio Lower Upper

228 100

226 29.9 25.1 37.7

229 19.6 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.533 ng

RT: 21.304 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

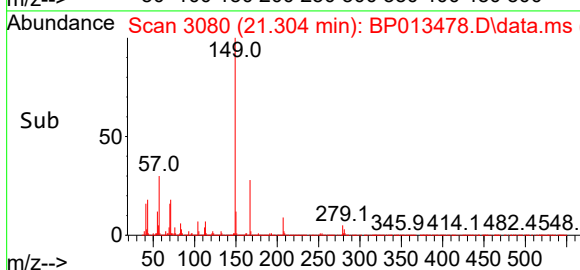
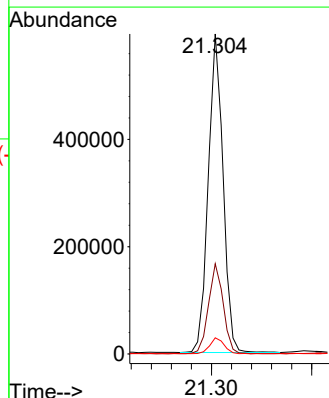
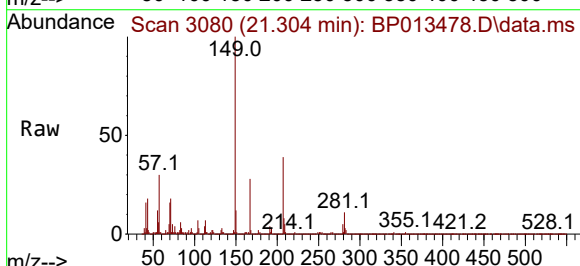
Tgt Ion:149 Resp: 610128

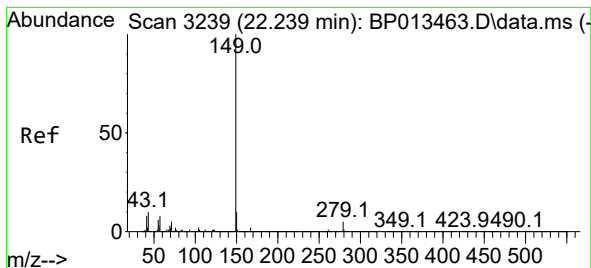
Ion Ratio Lower Upper

149 100

167 28.2 23.0 34.4

279 5.0 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 4.702 ng

RT: 22.251 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

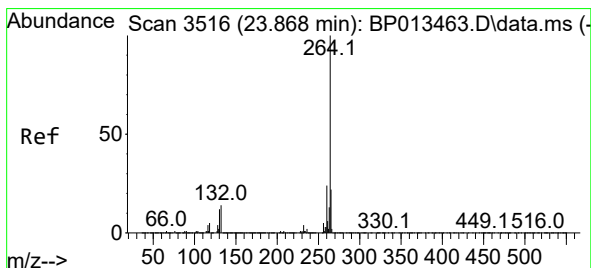
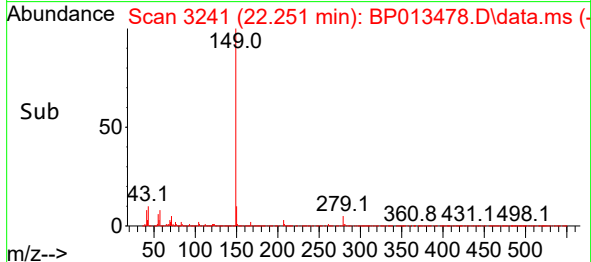
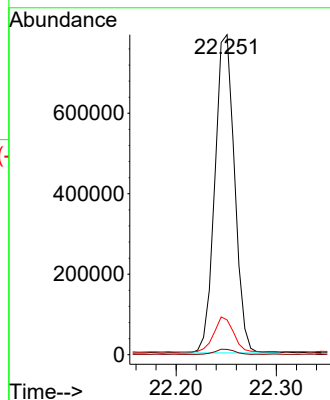
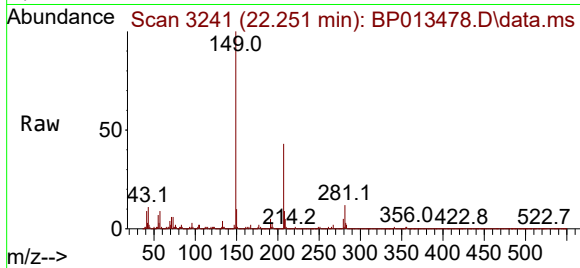
Tgt Ion:149 Resp: 1074298

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 11.0 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.874 min Scan# 3517

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

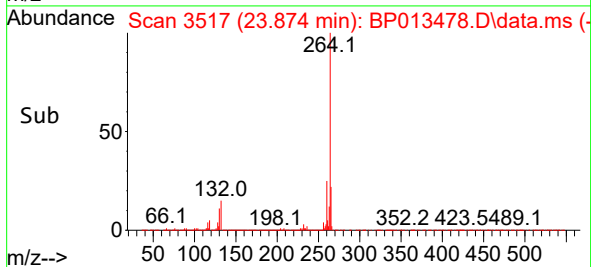
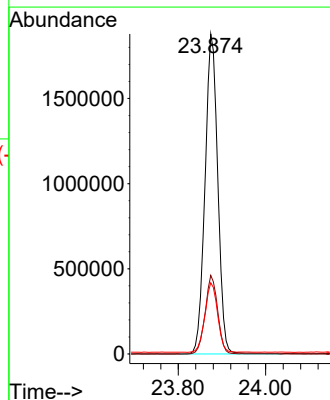
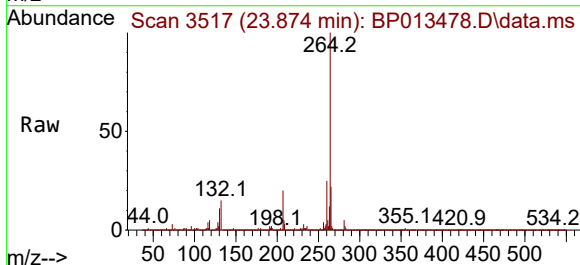
Tgt Ion:264 Resp: 3815535

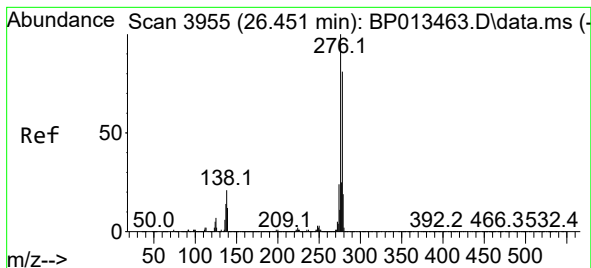
Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 22.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.611 ng

RT: 26.445 min Scan# 3955

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

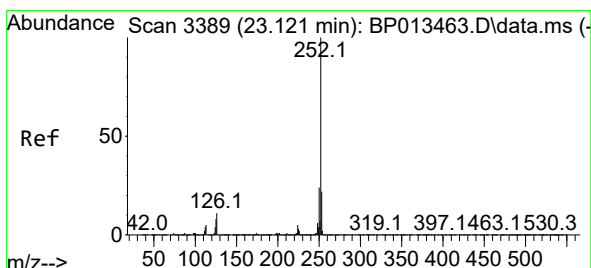
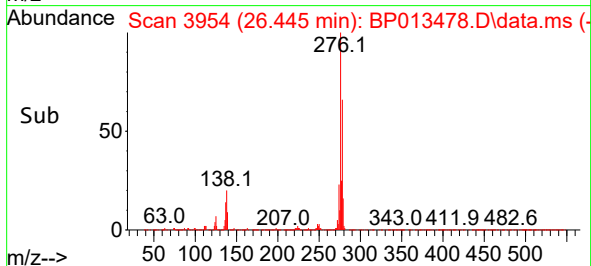
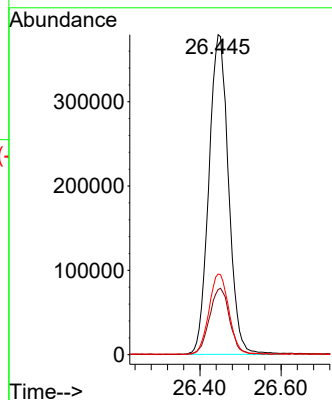
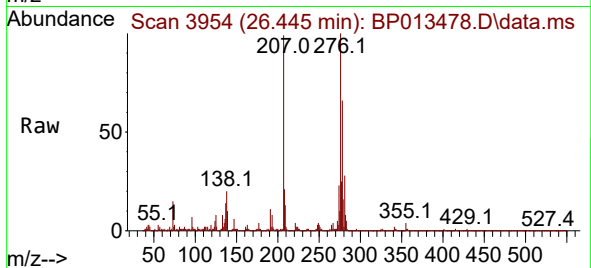
Tgt Ion:276 Resp: 1272373

Ion Ratio Lower Upper

276 100

138 21.3 17.0 25.4

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 5.199 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

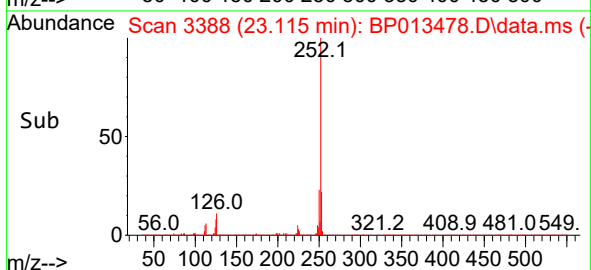
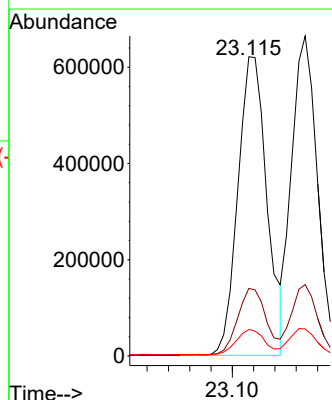
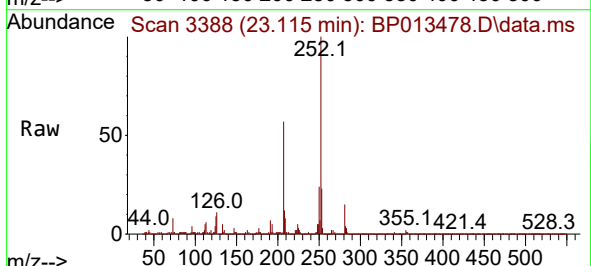
Tgt Ion:252 Resp: 1177745

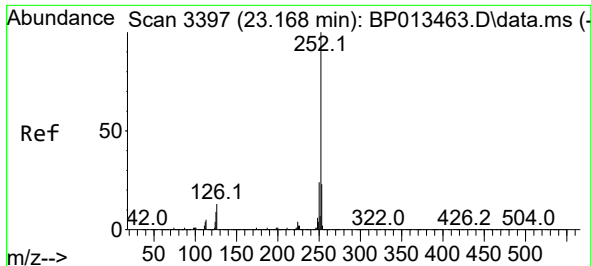
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 8.9 6.7 10.1

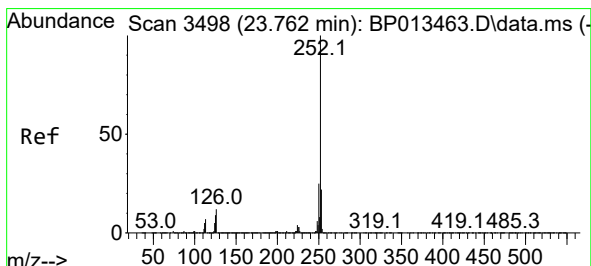
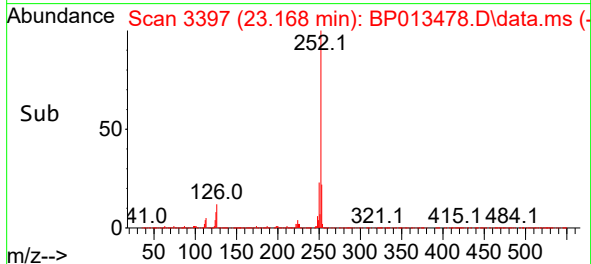
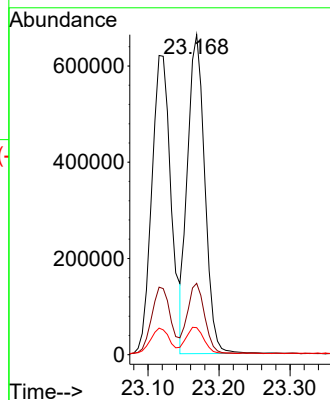
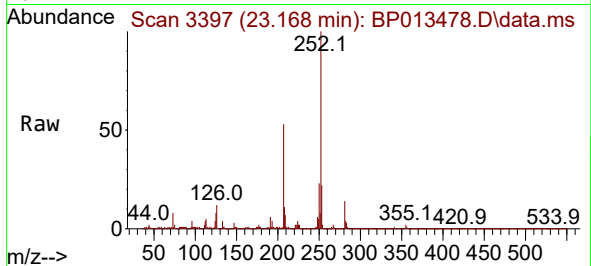




#89
Benzo(k)fluoranthene
Concen: 5.077 ng
RT: 23.168 min Scan# 311
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

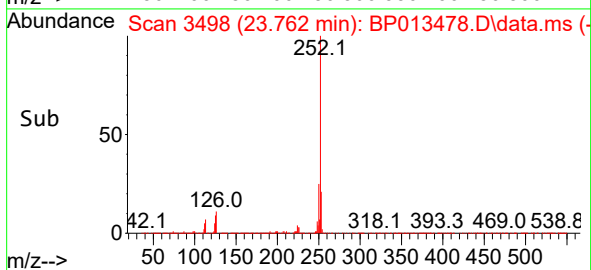
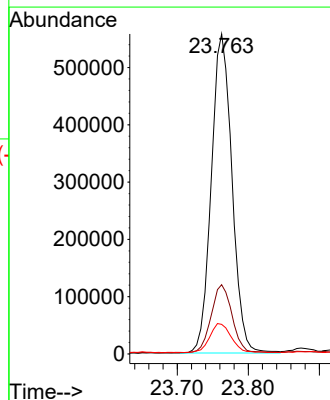
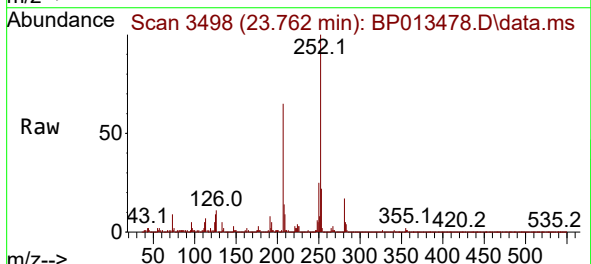
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

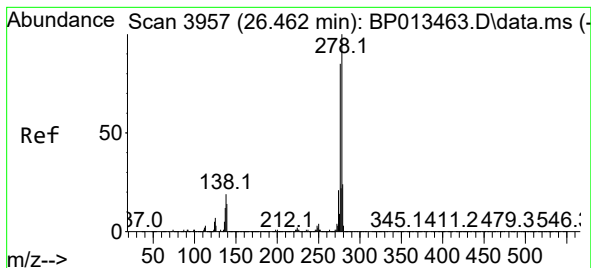
Tgt Ion:252 Resp: 1116284
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 8.4 6.9 10.3



#90
Benzo(a)pyrene
Concen: 5.059 ng
RT: 23.762 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:252 Resp: 1125868
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 9.3 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 4.840 ng

RT: 26.462 min Scan# 3957

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

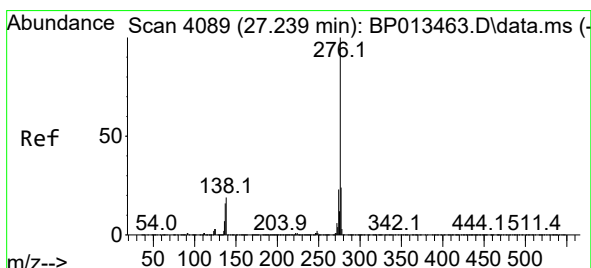
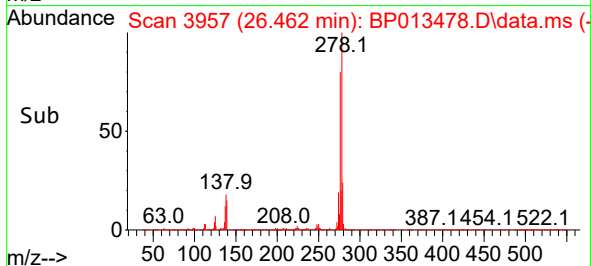
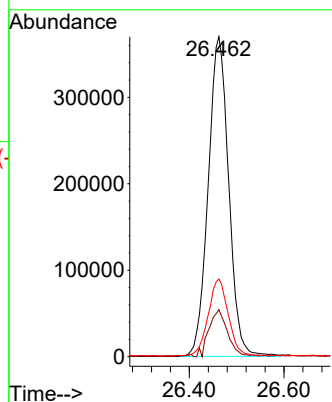
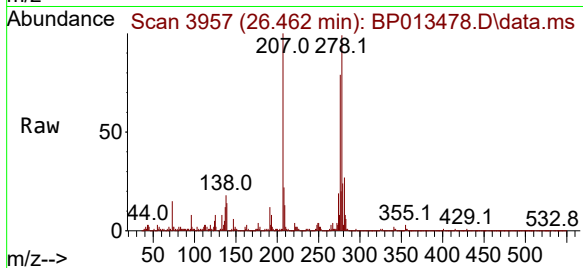
Tgt Ion:278 Resp: 1111990

Ion Ratio Lower Upper

278 100

139 14.7 11.1 16.7

279 24.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 4.851 ng

RT: 27.233 min Scan# 4088

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:276 Resp: 1099690

Ion Ratio Lower Upper

276 100

277 23.3 19.3 28.9

138 18.4 15.3 22.9

